

Calendar

Sep 1963 - Dec 1964



WEEK OF  
Sept. 15-21, 1963

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Sept. 15-21, 1963

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, September 15

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. John Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Howard C. Wilkinson, Chaplain to the University. Sermon: "Blessed are the Meek." Broadcast over Radio Station WDNC and WDNC-FM.
- 3:30-5:30 p.m. The President's reception honoring new students, 2138 Campus Drive.
- 7:15 p.m. Vesper Service sponsored by the Y.M.C.A. and the Y.W.C.A. Woman's College Auditorium. Speaker: Dr. Thomas Langford, Assistant Professor of Religion.

### Monday, September 16

- 7:00 p.m. Freshmen Orientation: W.S.G.A. Assembly. W. C. Auditorium and Page Auditorium.

### Tuesday, September 17

- 7:30 p.m. University Convocation: Address by President Douglas M. Knight. Page Auditorium.
- 8:30 p.m. Student Union Open House. Kilgo Quadrangle.

### Wednesday, September 18

- 12:30 p.m. Formal Opening of Woman's College and traditional Flag Raising. W. C. Auditorium and East Duke Court.

- 5:00-6:30 p.m. Picnic for all new students sponsored by Y.W.C.A. and Y.M.C.A. East Union Building.

- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.

- 7:00 p.m. Freshmen Orientation: Faculty Critique: A panel discussion of "The Lonely Crowd" and "The Lord of the Flies." W. C. Auditorium.

### Thursday, September 19

- 8:10 a.m. Fall semester classes begin.
- 10:10 a.m. Flag Raising Ceremony.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 7:30 p.m. Capping Ceremony of the School of Nursing. University Chapel.

### Friday, September 20

- 10:00 a.m. The final examination of Mr. David E. Kemp for the Ph.D. degree in Psychology. Room 3506 Diagnostic and Treatment Building, Medical Center.
- 1:00 p.m. The final examination of Mr. Edward Milton Opton, Jr. for the Ph.D. degree in Psychology. Room 206 Psychology Laboratory.
- 4:15 p.m. Zoology Seminar. Auditorium of the Biological Sciences Building. Speaker: Dr. Leen de Ruiter.
- 4:15-6:00 p.m. Duke Marching Band practice. Coombs Field.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.

6:30 p.m. Church Night for new students under the auspices of the Denominational Groups.

## Saturday, September 21

2:00 p.m. Varsity Football: Duke versus University of South Carolina. Stadium.

4:00-6:00 p.m. Student Union Open House. Union Ballroom.

7:05-9:00 p.m. Quadrangle Pictures. Page Auditorium. "A Matter of Who." Terry-Thomas and Alex Nichol. "The funniest."—N. Y. Times. "Delightful!"—The New Yorker. "All laughs."—Newsweek. "Another hilarious comedy from the producer of 'The Mouse that Roared.' Guaranteed to hit you just right."—N. Y. Post.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, will deliver the sermon at the University Service of Worship on Sunday, September 15th, at 11:00 a.m. in the University Chapel. His subject will be "Blessed are the Meek." Presiding Minister will be the Reverend Professor James T. Cleland, Dean of the Chapel. Assisting in the service will be:

The Reverend A. Jack Wilson, Associate Director of Religious Activities, West Campus.

Miss Barbara Benedict, Associate Director of Religious Activities, East Campus.

The Reverend John J. Carey, Chaplain to the United Church of Christ Students.

The Reverend Jackson W. Carroll, Chaplain to the Methodist Students.

The Reverend Charles E. Johnson, Chaplain to the Presbyterian Students.

The Reverend James W. Stines, Chaplain to Baptist Students.

The Reverend William R. Patton, Chaplain to Lutheran Students.

The Reverend W. Robert Mill, Chaplain to Episcopal Students.

## 1963 FALL REGISTRATION

Monday, September 16, 1963, from 8:30 a.m.-12:00 noon and 2:00 p.m. to 4:30 p.m. Registration of all new students. All Freshmen (Woman's College, School of Nursing, Trinity College, and College of Engineering) report to the Indoor Stadium on an individual appointment basis to have their course cards written and sectioned. Directors of Undergraduate studies are necessary for this operation.

Monday, September 16, 1963, from 9:30 a.m.-12:30 p.m. Conferences on courses of study and course card writing for all Woman's College, and Trinity College, O.S.R., Transfers, and Degree Special Students by appointment. Departments requested to have representatives for this phase of registration will be notified by telephone.

Monday, September 16, 1963, from 2:00-4:30 p.m. Registration of all O.S.R., Transfers, and Degree Special Students at the Indoor Stadium.

Monday and Tuesday, September 16 and 17, 1963. Conferences on courses of study for all new and non pre-registered returning Graduate students by appointment with their Director of Graduate Studies.

Tuesday, September 17, 1963, from 9:00 a.m.-12:00 noon and 2:00 p.m.-4:00 p.m. Graduate Students approval of course schedule and arrangement of fees, Graduate School Office, 127 Allen Building.

Wednesday, September 18, 1963, from 9:00 a.m.-12:00 noon and 2:00 p.m.-3:30 p.m., in the Indoor Stadium for Trinity College, Woman's College, School of Nursing, College of Engineering (only those making changes), and the Graduate School (new students and pre-registered students making changes). The departmental representatives are concerned only with those pre-registered undergraduates who are making changes in their schedules. No registration of late O.S.R.'s, Transfers, or new students will be undertaken on this date. New and returning Graduate students failing to clear their course program in the Graduate School on Tuesday, September 17, will not be allowed to complete registration on Wednesday, September 18. They will be allowed to complete registration on Thursday, September 19, 1963, in the Graduate School Office, 127 Allen Building. All departments should be represented at the registration in the Indoor Stadium.

## FLAG RAISING EXERCISES

The traditional flag raising exercises in connection with the opening of the Woman's College will take place at 12:30 p.m. on Wednesday, September 18th, beginning in the auditorium and followed by a service in East Duke Court.

On Thursday, September 19th, at 10:10 a.m., the flag raising ceremony marking the official opening of the Academic Year, 1963-1964 will take place in front of Allen Building.

## CHAPEL CHOIR REHEARSAL

The first regularly scheduled choir rehearsal of the new academic year will be held in the University Chapel on Wednesday evening, September 18th, at 7:00 p.m. All summer members are cordially invited to attend.

Tryouts for the Chapel Choir Men's Glee Club, Women's Glee Club, Men's Chorus, and Women's Chorus will be held through the month of September. Please call Extension 3898 or report to Room 210 Flowers Building for an appointment.

## SCHOOL OF NURSING PROGRAM

The "Capping Ceremony" for the sophomore students of the School of Nursing will be held on Thursday, September 19th at 7:30 p.m. in the University Chapel. The Chapel ceremony will be followed by a reception in Hanes House. Members of the University Community are extended a cordial invitation to attend these functions.



## 1963 ART EXHIBITION

The members of the University Community are extended a cordial invitation to visit the continuous showing of art exhibitions being held in the Gallery of the Woman's College Library and the Lounge of the West Union Building during the hours of 8:30 a.m. until 10:00 p.m. daily. Under the dual sponsorship of the Art Department and the Student Union Fine Arts Committee, the exhibits are open to the public without charge.

The exhibitions now on display include works by painters who also teach and who are members of the faculties of the major educational institutions located in the Triangle Area. The East Campus Gallery contains primarily oil paintings and the West Gallery drawings of the various artists. The exhibits may be viewed through the month of September.

Those exhibiting in the show include (1) from the School of Design, North Carolina State of the University of North Carolina at Raleigh: William J. Baron, George Bireline, Jr., Joseph H. Cox, John Hertzman, Ray Musselwhite, Duncan Stuart; (2) from the University of North Carolina at Chapel Hill: George Kachergis; (3) from North Carolina College: John Gordon; and (4) from Duke University: Robert Broderon and William K. Stars. These artists have had numerous works shown in national or international exhibitions and are the recipients of many awards and prizes.

## DUKE UNIVERSITY 1963 FOOTBALL SCHEDULE AND TICKET PRICES

### AT HOME

Date	Time p.m.	Opponent	Regular	Family Plan	Children
Sept. 21—	2:00	U. of S. Caro.	\$4.50	\$2.50	\$50
Oct. 19—	2:00	Clemson*	\$4.50	\$2.50	\$50
Nov. 9—	2:00	Wake Forest	\$4.50	\$2.50	\$50
Nov. 16—	2:30	Navy—Dad's Day	\$4.50	\$2.50	\$50
Nov. 23—	2:00	U. of N. Caro.	\$4.50	\$2.50	\$50

\*Homecoming

### AWAY

Date	Time p.m.	Opponent	Price
Sept. 28—	1:30	Virginia	\$4.50
Oct. 5—	12:00	Maryland	\$4.50
Oct. 12—	1:30	University of California	\$4.00
Oct. 26—	1:30	North Carolina State	\$4.00
Nov. 2—	2:00	Georgia Tech	\$5.50

### FAMILY PLAN

To make it possible for faculty and staff family groups to attend games at a reduced price, the Duke Athletic Association is continuing this year a Family Plan for tickets. Under this plan, a section of end zone seats has been set aside for sale as season tickets to adults at \$5.00 each and to children (high school age and under) at \$2.50 each for the five home games. Thus, a family of four can attend all five of Duke home games at a total cost of \$15.00. Tickets for individual games in this family plan area will be priced at \$2.50 each for adults and \$.50 each for children. All seats will be reserved.

## 1963 FALL PREACHING SCHEDULE

September 15—Freshman Sunday—The Reverend Dr. Howard C. Wilkinson—Chaplain to the University  
September 22—Opening Sunday—The Reverend Professor James T. Cleland—Dean of the Chapel  
September 29—The Reverend Dr. Creighton Lacy—Associate Professor of World Christianity—The Divinity School  
October 6—World-Wide Communion—The Reverend Dr. Charles A. Coulson—Director of the Mathematics Institute—Oxford University, England  
October 13—The Reverend Dr. James L. Price, Jr.—Head of the Department of Religion  
October 20—Homecoming—Dean Cleland  
October 27—The Reverend Dr. Chester Pennington—Minister, Hennepin Avenue Methodist Church—Minneapolis, Minnesota  
November 3—The Reverend Dr. Robert W. Spike—National Council of the Churches of Christ—New York, New York  
November 10—Dean Cleland  
November 17—Dad's Day—The Reverend Dr. McMurry S. Richey—Associate Professor of Theology and Nurture—The Divinity School  
November 24—Chaplain Wilkinson  
December 8—The Reverend Dr. Elfan Rees—World Council of Churches—Geneva, Switzerland  
December 15—Christmas Sunday—Dean Cleland  
January 5—Dean Cleland  
January 12—Chaplain Wilkinson  
January 19—The Reverend Professor Robert E. Cushman—Dean of the Divinity School  
January 26—Dean Cleland

## LIBRARY SCHEDULE 1963-64

### General Library

Monday-Friday	8:00 a.m.-11:00 p.m.
Undergraduate and Graduate Rooms	open from 8:00 a.m.-12:00 p.m.
Saturday	8:00 a.m.- 6:00 p.m.
Circulation Desk, Undergraduate Room	open from 8:00 a.m.-10:30 p.m.
Sunday	2:00 p.m.- 6:00 p.m.
Graduate and Undergraduate Rooms	open from 1:30 p.m.-12:00 p.m.
Periodicals Room	open from 1:30 p.m.-11:00 p.m.

### Woman's College Library

Monday-Friday	8:00 a.m.-10:30 p.m.
Saturday	8:00 a.m.- 5:00 p.m.
Sunday	2:00 p.m.-10:30 p.m.

Schedules for other School, College and Departmental Libraries will be posted.

## DINING HALL SCHEDULES

### MEAL HOURS—MEN'S DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS
<i>Cafeterias:</i>	<i>Cafeterias:</i>
Breakfast 7:00- 9:30	Breakfast 8:30-11:00
Lunch 11:00- 2:00	Lunch 11:30- 2:00
Dinner 5:00- 7:00	Dinner 5:00- 7:00
<i>Snack Bar:</i> 9:30-11:00 a.m.	

<i>Oak Room:</i>	<i>Oak Room:</i>
Lunch 11:30- 2:00	Lunch 11:30- 2:00
Dinner 5:00- 7:00	Dinner 5:00- 7:00

### MEAL HOURS—WOMAN'S COLLEGE DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS:
Breakfast 7:15- 8:45	Breakfast 8:30- 9:30
Lunch 11:15- 1:30	Lunch 11:30- 1:30
Dinner 5:00- 6:30	Dinner 5:00- 6:15

### MEAL HOURS—GRADUATE CENTER DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS:
Breakfast 7:00- 9:30	Breakfast Bar Only 8:30-11:00 a.m.
Lunch 11:15- 1:30	
Dinner 5:00- 6:30	

Coffee Lounge: 11:30 a.m.-11:00 p.m.

## ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Friday, September 20th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Leen de Ruiter, Professor of Comparative Physiology, University of Groningen, Holland, will speak on "Protective Coloration and the Ecology of Countershading." Coffee and tea will be served in the foyer at 4:00.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. David E. Kemp for the Ph.D. degree in Psychology will be held on Friday, September 27th at 10:00 a.m. in Room 3506 in the Diagnostic and Treatment Building of Duke University Medical Center. The subject of Mr. Kemp's dissertation is "Personality and Behavior in Psychotherapeutic Relationships: Correlates of a Scale of Therapeutic Effectiveness." The committee to conduct the examination consists of Professors Martin Lakin, Jack Brehm, Robert C. Carson, Hans H. Strupp, and Alan C. Kerekhoff. Professor Lakin will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Edward Milton Opton, Jr. for the Ph.D. degree in Psychology will be held on Friday, September 20th at 1:00 p.m. in Room 206 Psychology Laboratory. The subject of Mr. Opton's dissertation is "Electroencephalographic Correlates of Performance Lapses in Young and Old Men." The committee to conduct the examination consists of Professors Walter D. Obrist, Lloyd J. Borstelmann, Gregory A. Kimble, Martin Lakin, and Wayland E. Hull. Professor Obrist will preside.

## DENOMINATIONAL "CHURCH NIGHT"

Friday, September 20

"Church Night" activities for all Baptist, Episcopal, Methodist and Presbyterian students will be held in their respective student centers, located midway between East and West campuses. Special buses will leave the Chapel steps of West Campus, the traffic circle on East Campus, and the front of Hanes House, at 6:00 o'clock, to deliver students to the denominational centers. Programs will begin in those centers at 6:15 P.M. The same buses will return students to the points of origin at the end of the "Church Night" activities.

The Durham Congregational Christian Church will provide a dinner for students of the United Church of Christ at the Parish House on West Main Street at 6:15 P.M. A special bus will come by Hanes House, the Chapel steps on West Campus, and the East Campus circle, at approximately 6:00 P.M., to pick up all members of the United Student Fellowship and deliver them to the Congregational Christian Church. Following the dinner meeting, the bus will return students to their points of origin. Members of other

Protestant denominations who do not have organized groups on the Duke campus are invited to come to the dinner and to participate in the United Student Fellowship.

Christian Science students will meet at the home of Professor and Mrs. Paul O. Williams, 703 South Duke Street. Auto rides will leave from the Chapel steps on West Campus, and from the East Campus circle at 5:45 p.m.

For Catholic students there will be a Benediction at 7:30 p.m. at the Church of the Immaculate Conception and a social hour afterwards in the school. The school bus will be on campus at 7:15 p.m. in front of the Chapel and at 7:20 p.m. at the East Campus circle.

The opening Hillel Sabbath Eve service and program in honor of Freshmen will be at 7:30 p.m. in the Green Room of East Duke Building. The program will include a preview of the Hillel year, an introduction of officers, and will conclude with the serving of refreshments.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Taik Yung Kim for the Ph.D. degree in Biochemistry was held on August 29th at 9:30 a.m. in Room 262 Bell Building. The subject of Mr. Kim's dissertation was "The Synthesis and Biological Activity of Uridine-5'-diphospho-N-acetyl Hexosamines." The committee conducting the examination consisted of Professors E. A. Davidson, R. L. Hill, K. S. McCarty, R. W. Wheat, and J. C. Poirier. Professor Davidson presided.

## WEEKLY CALENDAR INFORMATION

This is the first issue of the University Weekly Calendar of Duke University for the academic year 1963-64. Hereafter, the Calendar will appear every Saturday morning.

Members of the faculty and staff are requested to have notices for publication in the Calendar in Room 202-A Flowers Building, West Campus, not later than 1:00 p.m. on Wednesday. This is absolutely necessary in order that the Calendar may be handled by the printers and be ready for distribution early Saturday morning.

Distribution of the Calendar to faculty, staff, graduate and undergraduate students will be handled in the following fashion:

Faculty—Copies to departmental offices unless an individual office is in another building in which case the office will receive a copy.

Staff—Copies to various Administrative offices and to individual staff offices.

Graduate Students—Copies to departmental offices.

Undergraduate Students—Copies to dormitories for posting purposes only.

Hospital Faculty and Staff—Copies to Hospital Post Office for distribution via individual boxes.

Further clarification may be obtained by calling Extension 2911.



## 1963-64 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates. The 1963-64 Series is as follows:

### THE GOLDOVSKY GRAND OPERA THEATER

Puccini's "Tosca"

Tuesday, December 3

With a company of fifty including orchestra and chorus, Boris Goldovsky presents "Tosca" in English, fully staged with handsome sets and costumes. Puccini's compelling and vital drama, one of the most exciting of all Grand Operas, combines some of the composer's most memorable arias with a vivid and dramatic tale of love, life, passion, murder and tragedy.

### BACH ARIA GROUP

Tuesday, February 4

William H. Scheide, Director

Eileen Farrell, Soprano	Julius Baker, Flute
Jan Peerce, Tenor	Robert Bloom, Oboe
Carol Smith, Alto	Bernard Greenhouse, Cello
Norman Farrow, Bass-baritone	Maurice Wilk, Violin
Paul Ulanowsky, Piano	

Composed as it is, of world-famous instrumental and vocal soloists, this outstanding group has been uniquely able to set forth the central and crowning achievement of one of the greatest names in music.

"Music without equal or any near parallel." . . . Paul Hume, *Washington Post*

### PRESTI AND LAGOYA, Guitar-Duo Tuesday, March 10

Ida Presti and Alexandre Lagoya had both established themselves as solo concert artists of considerable distinction when, in 1955 they joined forces to form a guitar-duo. In the years since, Presti-Lagoya have won critical praise and fervent audience acclaim in France, Holland, Germany, Switzerland, North Africa, India and Australia. Following their first U. S. tour the duo is already booked in Japan, Australia and India. In their unique and fascinating programs Presti and Lagoya combine original works for guitar-duo with superb transcriptions ranging from Bach and Searlatti to Albeniz and Debussy.

"Brilliance and sterling musicianship!" . . . *The Times*, London.

"These two artists are AMONG THE GREATEST OF OUR TIME!" . . . *Parool*, Amsterdam.

### PITTSBURGH SYMPHONY ORCHESTRA Friday, March 20

William Steinberg, Music Director

Founded in 1895, the orchestra earned its fame under such conductors as Victor Herbert, Otto Klemperer, and Fritz Reiner. Under the baton of William Steinberg since 1952, the orchestra has grown to an exciting musical force whose reputation is now world-wide. Its concerts feature the great conductors and soloists of our time and the orchestra's recordings on Command Classics have been widely acclaimed.

### JOHN BROWNING, Pianist

Friday, April 17

John Browning has been hailed "a meteor that crashed onto the musical scene" and these words explain why within the span of seven years, this pianist has become an international star. He is the recipient of three famous competition prizes: the Steinway Centennial Award, sponsored by the National Federation of Music Clubs; the Edgar M. Leventritt Award, which gave him his debut with the New York Philharmonic Orchestra under Dimitri Mitropoulos; and the Gold Medal Award of the Concours International Musical Reine Elisabeth in Brussels, perhaps the most celebrated of all international competitions. "A great pianist. A real musician." . . . Lang, *New York Herald-Tribune*.

## OFF-THE-SERIES ATTRACTION 1963-64

Tuesday, November 19

The Regimental Band and Massed Pipers of the BLACK WATCH (Royal Highland Regiment) with Highland Dancers from the Edinburgh Festival

Trumpet fanfares, rumbling drums and the stirring skirl of the Massed Pipers launches the brilliant and moving spectacle of marching ceremonies, rousing music and highland dancing which the world-famous Black Watch brings to North America. Two seasons ago hundreds of thousands cheered the colorful pageantry of Her Majesty's Scots Guards; now S. Hurok presents a unique opportunity to witness the thrilling ceremonial splendor of The Black Watch.

The BLACK WATCH will take place in the Indoor Stadium and reserved seats will be priced at \$2.50 and \$2.00 with a special price of \$1.50 and \$1.25 to Artists Series patrons. Children's tickets are priced at \$1.25 and \$1.00.

## CHAMBER MUSIC CONCERTS

The Chamber Arts Society announces the following six concerts for the 1963-64 season:

Saturday, October 19th—AMADEUS QUARTET

Saturday, December 7th—JULLIARD QUARTET

Saturday, January 11th—HUNGARIAN QUARTET

Saturday, February 8th—QUARTETTO ITALIANO

Saturday, March 21st—FINE ARTS QUARTET

Saturday, April 11th—NEW YORK STRING SEXTET

These concerts will be held in the Music Room, East Duke Building, beginning at 8:15 p.m. **Admission: Membership** in the Chamber Arts Society is open to all persons, and entitles to admission to all concerts. The cost of membership will be \$12.00. The Committee of the Society limits membership to 330 persons, the remaining 70 admissions being available to individuals who purchase **Guest Cards** for single concerts at price of \$2.50. These Guest Cards may be obtained at the door of the Music Room on concert evenings from 7:30 p.m. to 8:00 p.m.

Membership application forms will be sent out early in September to all present members and to any others who indicate their interest to the Committee. The Committee of the Chamber Arts Society includes: Frederick Bernheim, Mary L. C. Bernheim, Alan H. Bone, Frances C. Brown, Virginia S. Bryan, Ruth Friedberg, Bronislas Jezierski, Alan K. Manchester, Julia Mueller, Elizabeth Ropp and Ernest W. Nelson, Chairman (address Box 6065 College Station, Durham, N. C.)

## THE GOTHIC BOOKSHOP

The Gothic Bookshop, favorite haunt of both students and faculty, is located by the entrance to Page Auditorium and is open weekdays from 8:45 a.m. to 5:00 p.m., on Wednesdays from 8:45 a.m. to 9:00 p.m., and on Saturdays from 8:45 p.m. until noon.

Here may be found no hard-cover textbooks, but a most interesting and versatile stock of books in all fields—the latest important books as well as standard titles. A wide selection of first-class paperback books as well as fine editions and bindings are available. Also in stock are good prints and twice a year there is a special sale of reproductions. The Gothic Bookshop Book and Art Auction held twice each year is another of the unique services extended the campus under the able direction of Mr. Jeremy North.

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## **JEWISH HIGH HOLIDAY SERVICES**

### **Hillel Foundation:**

The B'nai Brith Hillel Foundation in Chapel Hill, located at 210 W. Cameron Avenue, will be holding services for the High Holidays, to which all members of the University Community are most cordially invited.

Services for Rosh Hashanah will be held Wednesday evening, September 18th, at 8:00 p.m., and Thursday and Friday mornings, September 19th and 20th, at 10:00 a.m.

### **Beth El Congregation:**

Jewish High Holiday services at the Beth El

Congregation will begin on Wednesday evening, September 18th, at 6:15 p.m. Services will also be held on Thursday and Friday mornings from 8:00 a.m. to 1:00 p.m., on September 19th and 20th. All students and interns are cordially invited to be guests of the Congregation. All desiring further information and those desiring home hospitality may contact Mrs. Dan Weinberg, telephone number 489-2275. All services are under the supervision of Rabbi M. Herbert Berger and follow the traditions of Conservative Judaism.

Yom Kippur Service will begin Friday, September 27th, at 6:00 p.m., and on Saturday, September 28th, all day from 9:00 a.m. to 6:15 p.m.



WEEK OF

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# CALENDAR

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## Events of the Week

### Sunday, September 22

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. John Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship, University Chapel; Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "Jonah: A Very Minor Prophet." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, September 23

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208, Asbury Building.

### Tuesday, September 24

10:10 a.m. Divinity School Chapel. York Chapel. Professor Thor Hall.

2:00 p.m. The final examination of Mr. John Alexander Salmond for the Ph.D. degree in History. Room 235, Allen Building.

2:30 p.m. The final examination of Miss Susan Brownlee for the Ph.D. degree in Biochemistry. Room 262, Bell Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

8:00 p.m. Psychology Colloquium, Room 130, Building 9, West Campus (Psychology-Sociology). Speaker: Dr. Mercedes Gaffron.

### Wednesday, September 25

10:10 a.m. Divinity School Chapel. York Chapel. Professor Thor Hall.

4:00 p.m. Botany Seminar. Room 111, Biological Sciences Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:00 p.m. Chapel Choir Rehearsal. University Chapel.

7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "A Matter of Who." Terry-Thomas and Alex Nichol. "The funniest."—N. Y. Times. "Delightful!"—The New Yorker. "All laughs."—Newsweek. "Another hilarious comedy from the producer of 'The Mouse that Roared.' Guaranteed to hit you just right."—N. Y. Post.

### Thursday, September 26

10:10 a.m. Divinity School Chapel. York Chapel. Mr. Richard P. Heitzenrater.

9:00 a.m. The final examination of Mrs. Eloise Rallings Lewis for the Ph.D. degree in Education. Room 8A, West Duke.

4:00 p.m. Academic Council Meeting. Room 208 Flowers Building.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.

- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Slide Rule Lecture. Engineering Auditorium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:00 p.m. English Department Lecture. Lady Mander. Banquet Room, Woman's College Union.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, September 27

- 10:00 a.m. The final examination of Mr. David E. Kemp for the Ph.D. degree in Psychology. Room 3506 Diagnostic and Treatment Building, Medical Center.
- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Thor Hall and Mr. Karl L. Buecy.
- 2:00 p.m. The final examination of Mr. Robert M. Sitton for the Ph.D. degree in Philosophy. Room 103, Library.
- 3:00 p.m. ARO(D) Seminar. Speaker: Dr. Turgut Sarpkaya. ARO(D) Auditorium.
- 4:15-6:00 p.m. Duke Marching Band practice. Coombs Field.
- 4:30-6:00 p.m. Reception Honors Woodrow Wilson Fellows. Union Ballroom.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

## Saturday, September 28

- 11:00 a.m. The final examination of Mr. Mahinder D. Chaudhry for the Ph.D. degree in Economics. Room 125, Allen Building.
- 2:00 p.m. Varsity Football: Duke versus University of Virginia. Charlottesville, Virginia.
- 7:00 p.m. Quadrangle Pictures. Page Auditorium. "A Matter of Who." Terry-Thomas and Alex Nicol. "The funniest."—*N. Y. Times*. "Delightful!"—*The New Yorker*. "All laughs."—*Newsweek*. "Another hilarious comedy from the producer of 'The Mouse that Roared.' Guaranteed to hit you just right."—*N. Y. Post*.
- 10:00 p.m. Quadrangle Pictures present a "HOOT-ENANNY SHOW." Page Auditorium.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Sunday, 9:00-9:30 A.M., Baptist Student Center. Coffee and do-nuts served followed by rides provided to local churches.

**Wednesday, 7:00 P.M., Center, Worship. Friday, 6:00 P.M.,** Supper at the Center followed by seminars: Dr. Tom Langford—"The College Student and Basic Moral Decisions"; Dr. Robert Osborn—"Existential Themes in Old Testament Literature"; and Chaplain Stines—"Christianity and the Modern Parables."

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Freshman Forum—A series of discussions on topics of particular interest to freshmen. A light breakfast will be served each Sunday followed by the discussion. The topic for Sunday morning will be "Members One of Another." Leaders will be Chaplain Jack Carroll, Mr. Wayne Smith, and Miss Ella Jean Shore. Cars will leave the East Campus Circle and the Chapel Steps at 8:55 A.M. Freshmen are cordially invited to attend; 6:00 P.M., Center, Evening Prayer. **Wednesday, 6:00 P.M., Holy Communion.**

**PRESBYTERIAN (WESTMINSTER) FELLOWSHIP:** Sunday, 5:30 P.M., Westminster House, Vespers and Supper. All Presbyterian students and faculty welcome.

**UNITED STUDENT FELLOWSHIP:** Sunday, 5:00 P.M., Durham Congregational Christian Church, Supper, followed by discussion led by Chaplain John Carey on the topic, "The Church and the University." Transportation will leave the Chapel steps, the East Campus circle and Hanes House at 4:45 P.M.

**HILLEL FOUNDATION:** Sunday, 2:30 P.M. Hillel House in Chapel Hill, N. C. Opening Social Affair for Jewish students at all N. C. campuses. Duke students are cordially invited to this function.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, September 22nd, in the University Chapel. His subject will be "Jonah: A Very Minor Prophet." The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University.

Lector: Dr. Douglas M. Knight, President of the University. Opening Organ Voluntary—Choral in E Major *Cesar Franck* Call to Worship—"The Lord Is in His Holy Temple"

*Calvin W. Laufer*  
*John B. Dykes*

Hymn—"Holy, Holy, Holy!"

The Prayer of Confession

Words of Assurance

The Lord's Prayer

Anthem—"My Shepherd Will Supply My Need"

*Virgil Thomson*

Scripture—Jonah: selected verses

Hymn—"O Word of God Incarnate"

*M. M. Gesangbuch*

Call to Prayer

The Pastoral Prayer of Adoration, Thanksgiving, Intercession, Petition and Dedication

The Offering

Offertory Organ Interlude

Anthem—"Sound, All Ye Spheres!"

*Henry Purcell*

Response—The Doxology

Prayer of Dedication

Sermon—"Jonah: A Very Minor Prophet"

Prayer

Benediction

Choral Response—"Dresden Amen"

*Dresden*

The Chimes

Closing Organ Voluntary—Toccata from Symphony V

*Charles Marie Widor*



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## PSYCHOLOGY COLLOQUIUM

The first Psychology Colloquium will be held in Building 9, West Campus (Psychology-Sociology), Room 130, 8:00 p.m., on Tuesday, September 24th. Dr. Gaffron, Associate Research Professor in Psychology at Duke, will speak on "A Phenomenal Analysis of Egyptian Art Forms and Landscape," showing some of the photographic material collected last fall in Egypt by her, together with Dr. Karl Zener, and Dr. Friedrich Krauss of Munich as archeological consultant, for a psychological study of art forms in relation to ecology. All interested persons are invited.

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## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. John Alexander Salmond for the Ph.D. degree in History will be held on Tuesday, September 24th, at 2:00 p.m. in Room 235, Allen Building. The subject of Mr. Salmond's dissertation is "Roosevelt's Tree Army: A History of the Civilian Conservation Corps, 1933-1942." The committee to conduct the examination consists of Professors Robert I. Crane, Alan K. Manchester, Robert H. Woody, Richard Leach, and Richard L. Watson, Jr. Professor Watson will preside.

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## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Miss Susan Brownlee for the Ph.D. degree in Biochemistry will be held on Tuesday, September 24th, at 2:30 p.m. in Room 262, Bell Building. The subject of Miss Brownlee's dissertation is "Studies on Galactosamine Uronic Acid and Other Acid Amino Sugars Obtained from Vi Antigen Producing Bacteria." The committee to conduct the examination consists of Professors Robert W. Wheat, William L. Byrne, Henry Kamin, Jacques C. Poirier, and Pelham Wilder, Jr. Professor Wheat will preside.

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## BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, September 25th at 4:15 p.m. in Room 111 Biological Sciences Building (Auditorium) on West Campus. Reports on A.I.B.S. Meetings. Refreshments will be served in the foyer at 4:00 p.m.

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## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mrs. Eloise Rallings Lewis for the Ph.D. degree in Education will be held on Thursday, September 26th, at 9:00 a.m. in Room 8A, West Duke. The subject of Mrs. Lewis' dissertation is "Faculty Appointment Practices in the Collegiate Schools of Nursing in the Southern Region Which Offer Nationally Accredited Programs." The committee to conduct the examination consists of Professors E. C. Bolmeier, W. S. Gehman, W. A. Stumpf, W. H. Cartwright, and Edgar Thompson. Professor E. C. Bolmeier will preside.

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## ACADEMIC COUNCIL MEETING

The Academic Council will meet on Thursday, September 26th at 4:00 p.m. in Room 208 Flowers Building to hear a report from the Chairman. Information on policy trends and recent actions of the federal government relating to higher education will be presented by Professors Paul Gross and Philip Handler.

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## SLIDE RULE LECTURE

The first of the annual Slide Rule Lectures will be presented in the Engineering Auditorium on Thursday, September 26th, at 7:00 p.m. Speaking on the history, care and types of slide rules will be Professors Otto Meier and R. E. Lewis and Mr. J. D. Wellons. Since sample problems and examples will be studied, it is desirable that those attending bring slide rules. Sponsored jointly by Tau Beta Pi and The Order of Saint Patrick, the lectures are open to the public.

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## ENGLISH DEPARTMENT LECTURE

Rosalie Glenn Grylls (in private life Lady Mander), the author of a number of works on nineteenth century English literature, will speak at 8:00 p.m., on Thursday, September 26th, in the Banquet Room, Woman's College Union. Her topic will be "Dante Gabriel Rossetti: Poet and Painter." Lady Mander is at present writing a biography of Rossetti, and while at Duke will consult the Rossetti manuscripts in the Duke Library.

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## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. David E. Kemp for the Ph.D. degree in Psychology will be held on Friday, September 27th at 10:00 a.m. in Room 3506 in the Diagnostic and Treatment Building of Duke University Medical Center. The subject of Mr. Kemp's dissertation is "Personality and Behavior in Psychotherapeutic Relationships: Correlates of a Scale of Therapeutic Effectiveness." The committee to conduct the examination consists of Professors Martin Lakin, Jack Brehm, Robert C. Carson, Hans H. Strupp, and Alan C. Kerekhoff. Professor Lakin will preside.

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## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Robert M. Sitton for the Ph.D. degree in Philosophy will be held on Friday, September 27th, at 2:00 p.m. in Room 103 West Library. The subject of Mr. Sitton's dissertation is "The Ontological Status of the Work of Art: Three Contemporary Views." The committee to conduct the examination consists of Professors Paul Welsh, Charles A. Baylis, Bernard Peach, Romane Clark, and Herman Salinger. Professor Paul Welsh will preside.

### ARO(D) SEMINAR

The U. S. Army Research Office will present a seminar on "Stability Of Pulsating Viscous Flow" by Dr. Turgut Sarpkaya, on Friday, September 27th, at 3:30 p.m. There will be refreshments at 3:00 p.m. in ARO(D) Auditorium.

Dr. Sarpkaya is a professor in the Department of Engineering Mechanics, University of Nebraska, Lincoln. He is the chief investigator on an ARO(D) project, which is investigating turbulence generation in pulsating viscous flow. He received his Ph.D. in Engineering Mechanics and Hydraulics from the Hydraulics Institute, State University of Iowa and the M.S. in Civil Engineering from the Technical University of Istanbul. He has been research engineer at M.I.T., Hydrodynamics Laboratory, lecturer at the University of Paris, and chief research engineer for the State Hydraulics Works of Turkey. He received the Collingwood prize from the ASCE for his paper on "Oscillatory Gravity Waves in Flowing Water."

All interested persons are cordially invited.

### RECEPTION HONORS WOODROW WILSON FELLOWS

A reception will be given on Friday, September 27th, from 4:30 to 6:00 p.m. in the Union Ballroom, in honor of those who will enter the Duke Graduate School for the first time this year as fellows of the Woodrow Wilson National Fellowship Foundation.

Other honored guests will include Woodrow Wilson fellows who entered the Graduate School in 1961 and 1962, and their wives.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Mahinder D. Chaudhry for the Ph.D. degree in Economics will be held on Saturday, September 28th, at 11:00 a.m. in Room 125 Allen Building. The subject of Mr. Chaudhry's dissertation is "Regional Accounting within India." The committee to conduct the examination consists of Professors F. A. Hanna, C. B. Hoover, R. S. Smith, W. P. Yohe, and R. T. Cole. Professor Hanna will preside.

### "HOOTENANNY SHOW"

Quadrangle Pictures will present a "Hootenanny" Show in Page Auditorium on Saturday, September 28th at 10:00 p.m. The show will feature a well-known folk group. The Gaslight Singers and soloists, Carolyn Hester and Mike Settle. Tickets will be priced at \$1.00 general admission and the doors will open at 9:15 p.m. following the Quadrangle Pictures earlier single showing of the film, "A Matter of Who."

Fast becoming one of the most sought after folksinging groups, the Gaslight Singers is composed of three young men, Earl Zimmerman, Al Aleabes, and Jeff Hyman and one young lady, Martha Velez. The group met and organized their group as college students and, after tremendously successful per-

formances in the Village and a SRO concert in Carnegie Hall, they gained their big reputation at Washington's top folk room, "the Shadows."

Considered by folk authorities as one of the best voices in folk music today, Carolyn Hester, combined her Texas beauty and talent to be the only American woman folksinger to represent the United States at the 1963 Edinburgh Festival where she was enthusiastically received.

Mike Settle, the young male soloist, is a multi-talented artist who had two Carnegie Hall appearances before he was twenty-one years old and whose original lyric and musical compositions are used not only by him but by all top folk artists in their recordings and performances.

### WEEKLY CALENDAR INFORMATION

This is the second issue of the University Weekly Calendar of Duke University for the academic year 1963-64. The Calendar appears every Saturday morning.

Members of the faculty and staff are requested to have notices for publication in the Calendar in Room 202-A Flowers Building, West Campus, not later than 1:00 p.m. on Wednesday. This is absolutely necessary in order that the Calendar may be handled by the printers and be ready for distribution early Saturday morning.

Distribution of the Calendar to faculty, staff, graduate and undergraduate students will be handled in the following fashion:

Faculty—Copies to departmental offices unless an individual office is in another building in which case the office will receive a copy.

Staff—Copies to various Administrative offices and to individual staff offices.

Graduate Students—Copies to departmental offices.

Undergraduate Students—Copies to dormitories for posting purposes only.

Hospital Faculty and Staff—Copies to Hospital Post Office for distribution via individual boxes.

Further clarification may be obtained by calling Extension 2911.

### DUKE UNIVERSITY 1963 FOOTBALL SCHEDULE AND TICKET PRICES

#### AT HOME

Date	Time p.m.	Opponent	Regular	Family Plan	Children
Sept. 21	2:00	U. of S. Caro.	\$4.50	\$2.50	\$5.50
Oct. 19	2:00	Clemson*	\$4.50	\$2.50	\$5.50
Nov. 9	2:00	Wake Forest	\$4.50	\$2.50	\$5.50
Nov. 16	2:30	Navy—Dad's Day	\$4.50	\$2.50	\$5.50
Nov. 23	2:00	U. of N. Caro.	\$4.50	\$2.50	\$5.50

\*Homecoming

#### AWAY

Date	Time p.m.	Opponent	Price
Sept. 28	1:30	Virginia	\$4.50
Oct. 5	12:00	Maryland	\$4.50
Oct. 12	1:30	University of California	\$4.00
Oct. 26	1:30	North Carolina State	\$4.00
Nov. 2	2:00	Georgia Tech	\$5.50



## FAMILY PLAN

To make it possible for faculty and staff family groups to attend games at a reduced price, the Duke Athletic Association is continuing this year a Family Plan for tickets. Under this plan, a section of end zone seats has been set aside for sale as season tickets to adults at \$5.00 each and to children (high school age and under) at \$2.50 each for the five home games. Thus, a family of four can attend all five of Duke home games at a total cost of \$15.00. Tickets for individual games in this family plan area will be priced at \$2.50 each for adults and \$.50 each for children. All seats will be reserved.

## LIBRARY SCHEDULE 1963-64

### General Library

Monday-Friday	8:00 a.m.-11:00 p.m.
Undergraduate and Graduate Rooms open from 8:00 a.m.-12:00 p.m.	
Saturday	8:00 a.m.- 6:00 p.m.
Circulation Desk, Undergraduate Room open from 8:00 a.m.-10:30 p.m.	
Sunday	2:00 p.m.- 6:00 p.m.
Graduate and Undergraduate Rooms open from 1:30 p.m.-12:00 p.m.	
Periodicals Room open from 1:30 p.m.-11:00 p.m.	

### Woman's College Library

Monday-Friday	8:00 a.m.-10:30 p.m.
Saturday	8:00 a.m.- 5:00 p.m.
Sunday	2:00 p.m.-10:30 p.m.

Schedules for other School, College and Departmental Libraries will be posted.

## DINING HALL SCHEDULES

### MEAL HOURS—MEN'S DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS
<b>Cafeterias:</b>	<b>Cafeterias:</b>
Breakfast 7:00- 9:30	Breakfast 8:30-11:00
Lunch 11:00- 2:00	Lunch 11:30- 2:00
Dinner 5:00- 7:00	Dinner 5:00- 7:00
<b>Snack Bar:</b> 9:30-11:00 a.m.	
<b>Oak Room:</b>	<b>Oak Room:</b>
Lunch 11:30- 2:00	Lunch 11:30- 2:00
Dinner 5:00- 7:00	Dinner 5:00- 7:00

### MEAL HOURS—WOMAN'S COLLEGE DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS:
Breakfast 7:15- 8:45	Breakfast 8:30- 9:30
Lunch 11:15- 1:30	Lunch 11:30- 1:30
Dinner 5:00- 6:30	Dinner 5:00- 6:15

### MEAL HOURS—GRADUATE CENTER DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS:
Breakfast 7:00- 9:30	Breakfast Bar Only 8:30-11:00 a.m.
Lunch 11:15- 1:30	
Dinner 5:00- 6:30	
<b>Coffee Lounge:</b> 11:30 a.m.-11:00 p.m.	

## 1963-64 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina.

Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates. The 1963-64 Series is as follows:

### THE GOLDOVSKY GRAND OPERA THEATER

Puccini's "Tosca"

Tuesday, December 3

With a company of fifty including orchestra and chorus, Boris Goldovsky presents "Tosca" in English, fully staged with handsome sets and costumes. Puccini's compelling and vital drama, one of the most exciting of all Grand Operas, combines some of the composer's most memorable arias with a vivid and dramatic tale of love, life, passion, murder and tragedy.

### BACH ARIA GROUP

Tuesday, February 4

William H. Scheide, Director

Eileen Farrell, Soprano	Julius Baker, Flute
Jan Peerce, Tenor	Robert Bloom, Oboe
Carol Smith, Alto	Bernard Greenhouse, Cello
Norman Farrow, Bass-baritone	Maurice Wilk, Violin
Paul Ulanowsky, Piano	

Composed as it is, of world-famous instrumental and vocal soloists, this outstanding group has been uniquely able to set forth the central and crowning achievement of one of the greatest names in music.

"Music without equal or any near parallel." . . . Paul Hume, *Washington Post*

### PRESTI AND LAGOYA, Guitar-Duo Tuesday, March 10

Ida Presti and Alexandre Lagoya had both established themselves as solo concert artists of considerable distinction when, in 1955 they joined forces to form a guitar-duo. In the years since, Presti-Lagoya have won critical praise and fervent audience acclaim in France, Holland, Germany, Switzerland, North Africa, India and Australia. Following their first U. S. tour the duo is already booked in Japan, Australia and India. In their unique and fascinating programs Presti and Lagoya combine original works for guitar-duo with superb transcriptions ranging from Bach and Scarlatti to Albeniz and Debussy.

"Brilliance and sterling musicianship!" . . . *The Times*, London.

"These two artists are AMONG THE GREATEST OF OUR TIME!" . . . *Parool*, Amsterdam.

### PITTSBURGH SYMPHONY ORCHESTRA Friday, March 20

William Steinberg, Music Director

Founded in 1895, the orchestra earned its fame under such conductors as Victor Herbert, Otto Klemperer, and Fritz Reiner. Under the baton of William Steinberg since 1952, the orchestra has grown to an exciting musical force whose reputation is now world-wide. Its concerts feature the great conductors and soloists of our time and the orchestra's recordings on Command Classics have been widely acclaimed.

### JOHN BROWNING, Pianist

Friday, April 17

John Browning has been hailed "a meteor that crashed onto the musical scene" and these words explain why within the span of seven years, this pianist has become an international star. He is the recipient of three famous competition prizes: the Steinway Centennial Award, sponsored by the National Federation of Music Clubs; the Edgar M. Leventritt Award, which gave him his debut with the New York Philharmonic Orchestra under Dimitri Mitropoulos; and the Gold Medal Award of the Concours International Musical Reine Elisabeth in Brussels, perhaps the most celebrated of all international competitions. "A great pianist. A real musician." . . . Lang, *New York Herald-Tribune*.

## OFF-THE-SERIES ATTRACTION 1963-64

Tuesday, November 19

The Regimental Band and Massed Pipers of the **BLACK WATCH** (Royal Highland Regiment) with Highland Dancers from the Edinburg Festival

Trumpet fanfares, rumbling drums and the stirring skirl of the Massed Pipers launches the brilliant and moving spectacle of marching ceremonies, rousing music and highland dancing which the world-famous Black Watch brings to North America. Two seasons ago hundreds of thousands cheered the colorful pageantry of Her Majesty's Scots Guards; now S. Hurok presents a unique opportunity to witness the thrilling ceremonial splendor of The Black Watch.

The **BLACK WATCH** will take place in the Indoor Stadium and reserved seats will be priced at \$2.50 and \$2.00 with a special price of \$1.50 and \$1.25 to Artists Series patrons. Children's tickets are priced at \$1.25 and \$1.00.

## CHAMBER MUSIC CONCERTS

The Chamber Arts Society announces the following six concerts for the 1963-64 season:

Saturday, October 19th—**AMADEUS QUARTET**  
Saturday, December 7th—**JUILLIARD QUARTET**  
Saturday, January 11th—**HUNGARIAN QUARTET**  
Saturday, February 8th—**QUARTETTO ITALIANO**  
Saturday, March 21st—**FINE ARTS QUARTET**  
Saturday, April 11th—**NEW YORK STRING SEXTET**

These concerts will be held in the Music Room, East Duke Building, beginning at 8:15 p.m. **Admission: Membership** in the Chamber Arts Society is open to all persons, and entitles to admission to all concerts. The cost of membership will be \$12.00. The Committee of the Society limits membership to 330 persons, the remaining 70 admissions being available to individuals who purchase **Guest Cards** for single concerts at price of \$2.50. These Guest Cards may be obtained at the door of the Music Room on concert evenings from 7:30 p.m. to 8:00 p.m.

Membership application forms will be sent out early in September to all present members and to any others who indicate their interest to the Committee. The Committee of the Chamber Arts Society includes: Frederick Bernheim, Mary L. C. Bernheim, Alan H. Bone, Frances C. Brown, Virginia S. Bryan, Ruth Friedberg, Bronislas Jezierski, Alan K. Manchester, Julia Mueller, Elizabeth Ropp and Ernest W. Nelson, Chairman (address Box 6065 College Station, Durham, N. C.)

## THE GOTHIC BOOKSHOP

The Gothic Bookshop, favorite haunt of both students and faculty, is located by the entrance to Page Auditorium and is open weekdays from 8:45 a.m. to 5:00 p.m., on Wednesdays from 8:45 a.m. to 9:00 p.m., and on Saturdays from 8:45 p.m. until noon.

Here may be found no hard-cover textbooks, but a most interesting and versatile stock of books in all fields—the latest important books as well as standard titles. A wide selection of first-class paperbound books as well as fine editions and bindings are available. Also in stock are good prints and twice a year there is a special sale of reproductions. The Gothic

Bookshop Book and Art Auction held twice each year is another of the unique services extended the campus under the able direction of Mr. Jeremy North.

## STUDENT LOAN REPRODUCTIONS

Starting Monday, September 23rd, and continuing through Friday, September 27th, between the hours of 9:00 a.m. and 5:00 p.m. Student Loan Pictures will be available, free of charge, through the Department of Art, in Room 103 Asbury Building. The pictures are framed for hanging and are reproductions of oil-paintings, watercolors and etchings.

## ART LOAN COLLECTION

The Duke University Art Loan Collection is now available for rental in Room 103 Asbury Building, Monday through Friday from 9:00 a.m. through 5:00 p.m. The collection contains reproductions of contemporary art and also some originals. The pictures are rented per semester. Rental fee \$3.00, to be paid in advance.

## 1963 ART EXHIBITIONS

The members of the University Community are extended a cordial invitation to visit the continuous showing of art exhibitions being held in the Gallery of the Woman's College Library and the Lounge of the West Union Building during the hours of 8:30 a.m. until 10:00 p.m. daily. Under the dual sponsorship of the Art Department and the Student Union Fine Arts Committee, the exhibits are open to the public without charge.

The exhibitions now on display include works by painters who also teach and who are members of the faculties of the major educational institutions located in the Triangle Area. The East Campus Gallery contains primarily oil paintings and the West Gallery drawings of the various artists. The exhibits may be viewed through the month of September.

Those exhibiting in the show include (1) from the School of Design, North Carolina State of the University of North Carolina at Raleigh: William J. Baron, George Bireline, Jr., Joseph H. Cox, John Hertzman, Ray Musselwhite, Duncan Stuart; (2) from the University of North Carolina at Chapel Hill: George Kachergis; (3) from North Carolina College: John Gordon; and (4) from Duke University: Robert Broderson and William K. Stars. These artists have had numerous works shown in national or international exhibitions and are the recipients of many awards and prizes.

## FIRST ORGAN RECITAL

The first organ recital of the academic year will be presented by Mildred L. Hendrix, University Organist, on Homecoming Afternoon, October 20th, at 4:00 p.m. At this time Mrs. Hendrix will present a program of French Organ Music.



WEEK OF  
Sept. 29-Oct. 5, 1963

# CALENDAR

OF

# DUKE UNIVERSITY



WEEK OF  
Sept. 29-Oct. 5, 1963

## Events of the Week

### Sunday, September 29

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. John Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. Creighton Lacy, Associate Professor of World Christianity, The Divinity School. Sermon: "Open Sesame!" Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, September 30

- 10:00 a.m. Law School Lectures. Courtroom of the Law School. Speaker: Dr. Walter F. Murphy.
- 2:00 p.m. The final examination of Mr. Neal Gillespie for the Ph.D. degree in History. Room 122 Allen Building.
- 4:15 p.m. Zoology Seminar. Auditorium of the Biological Sciences Building. Speakers: Jeremy J. Hatch and Jack P. Hailman.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:15 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208, Asbury Building.
- 7:30 p.m. Woman's College Fall Honors Assembly. Woman's College Auditorium. Speaker: Dean M. Margaret Ball.
- 7:45 p.m. Durham Civic Choral Society Rehearsal. Durham High School.

### Tuesday, October 1

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Charles K. Robinson.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Honors-Masters Dinner. Old Trinity Room.
- 7:00 p.m. S. U. Away Football Movie: Duke vs. University of Virginia. Commentator: Coach C. M. Falcone. Page Auditorium.
- 7:00 p.m. Open Meeting for Honors-Masters Program. Room 110 Flowers Building.
- 7:00 p.m. The final examination of Mr. Fred Sandusky for the Ed.D. degree in Education. Room 8A West Duke Building.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:00-10:00 p.m. International Reception. Lounge of Men's Graduate Center.

### Wednesday, October 2

- 10:10 p.m. Divinity School Chapel. York Chapel. Professor Charles K. Robinson.
- 3:30 p.m. University Religious Council Retreat. Camp New Hope.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.

- 4:30 p.m. Joint Duke-UNC Colloquium. Room 114 Physics Building. Speaker: Dr. Richard Setlow.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. Ingmar Bergman's "Through a Glass Darkly." (Swedish) Academy Award Winner, Best Foreign Film with Harriet Andersson and Max von Sydow. "Eloquent, poetic, and worshipful. . . one of the best of Bergman's creations."—**Time Magazine**.

## Thursday, October 3

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Ronald A. Koonts.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:00 p.m. Physiology Seminar. Room M 204 Davison Building. Speaker: Dr. Aubrey Naylor.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:15 p.m. Faculty Volleyball. Indoor Stadium.
- 5:30 p.m. Honors-Masters Dinner. Old Trinity Room.
- 7:00 p.m. Slide Rule Lecture. Auditorium of the Engineering Building.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15-9:30 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, October 4

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Charles K. Robinson and Mr. David L. Baxter.
- 3:00 p.m. Political Science Graduate Seminar. Room 208 Flowers Building. Speaker: Professor Percy H. Partridge.
- 4:00 p.m. Chemistry Staff Seminar. Room 01 Chemistry Building. Speaker: Professor C. A. Coulson.
- 4:00 p.m. Kickoff Meeting for United Fund Campaign. Room 125 English Building.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

- 8:15 p.m. Student Union Young Artists Series: Richard Dyer-Bennet, folksinger. Page Auditorium.

## Saturday, October 5

- 10:30 a.m. Special Physics Seminar. Room 114 Physics Building. Speaker: Dr. Charles A. Coulson, F.R.S. Oxford University.
- 2:00 p.m. Varsity Football: Duke vs. University of Maryland. Tobacco Bowl. Richmond, Virginia.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. Ingmar Bergman's "Through a Glass Darkly." (Swedish) Academy Award Winner, Best Foreign Film with Harriet Andersson and Max von Sydow. "Eloquent, poetic, and worshipful. . . one of the best of Bergman's creations."—**Time Magazine**.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION: Sunday, 9:00-9:30 A.M.**, Center, Coffee and doughnuts followed by rides to local churches; 2:15 P.M., Rides leave East and West circles for Mnrdoch School at Butner for a session of planning for teaching retarded children. All interested persons are invited to participate. **Friday, 6:15 P.M.**, Center, Supper, followed by seminars led by Drs. Langford and Osborn and Chaplain Stines.

**EPISCOPAL UNIVERSITY CENTER: Sunday (Feast of St. Michael), 9:30 A.M.**, Holy Communion; 12:30 P.M., Picnic. Transportation will be provided from East circle and independent parking lot on West at 12:30. **Monday, 7:00 P.M.**, "Evenings of Dialogue"; Leader—Dr. W. D. White. **Wednesday, 7:10 A.M. and 5:30 P.M.**, Center, Holy Communion.

**LUTHERAN STUDENT ASSOCIATION: Sunday, 6:30 P.M.**, Green Room, East Duke Building. Discussion led by Roger Erickson on: Critique: L. S. A.

**METHODIST CENTER: Sunday, 9:00 A.M.**, Center, Freshman Forum—A Discussion of *Catcher in the Rye* Vs. *Lord of the Flies* (light breakfast preceding); 6:00 P.M., Center, Evening Prayer. **Wednesday, 7:00 A.M.**, East Duke Chapel, Holy Communion; Rides leave West campus main student parking lot at 6:55 A.M.

Beginning of Seminars for fall semester: (1) "Contemporary Criticisms of Christianity," for graduate students, organizational meeting at Men's Graduate Center, **Monday, September 30, 9:00 P.M.**, Cranford Johnson, Leader. (2) "The Meaning of Freedom," for all interested students, organizational meeting at Methodist Center, **Tuesday, October 1, 6:45 P.M.**, Franklin Ingram, Leader (Concluding in time for International Tea). (3) Community of Lay Scholars, A two year community for lay theological education. For further information, call Jack Carroll at the Methodist Center, 286-9230, or Miss Barbara Benedict, extension 2909.

**PRESBYTERIAN (WESTMINSTER) FELLOWSHIP: Sunday, 5:30 P.M.**, Westminster House,



Vespers and Snpper; Second half of "For Heaven's Sake."

**UNITED STUDENT FELLOWSHIP: Sunday, 5:00 P.M.,** Home of Dr. and Mrs. Robert Bonar, 3306 Chapel Hill Road, A discussion will be led by Chaplain John Carey on the topic, "Student Anxieties—For Better or Worse?" Transportation will leave the Chapel steps, the East Campus circle and Hanes House at 4:45 P.M.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Creighton Lacy, Associate Professor of World Christianity, The Divinity School, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, September 29th, in the University Chapel. His subject will be "Open, Sesame!" The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson,  
Chaplain to the University.

Lector: The Reverend Cranford Johnson, Assistant Chaplain  
to Methodist Students.

Opening Organ Voluntary—Prelude and Fugue in D minor

Chorale Prelude—"Auf Meinen Lieben Gott" *Pachelbel*  
Call to Worship—"The Lord Is in His Holy Temple" *Hanff*

Hymn—"Rejoice, Ye Pure in Heart" *Calvin W. Laufer*  
The Prayer of Confession *Arthur H. Messiter*

Words of Assurance

The Lord's Prayer

Anthem—"Holy, Holy, Holy" from *Sanctus*

*G. P. da Palestrina*

Scripture Lesson—Luke 24:13-53

Hymn—"Spirit of Life" *H. Percy Smith*

Call to Prayer

The Pastoral Prayer of Adoration, Thanksgiving, Intercession,  
Petition and Dedication

The Offering

Offertory Organ Interlude

Anthem—"Thy Word Is A Lantern" *Henry Purcell*

Response—The Doxology

Prayer of Dedication

Sermon—"Open, Sesame!"

Prayer

Benediction

Choral Response—"Dresden Amen" *Dresden*

The Chimes

Closing Organ Voluntary—Chaconne in D minor *Pachelbel*

### GOthic BOOKSHOP—SALE OF PRINTS

On Monday, September 30th and continuing for one week the Gothic Bookshop will conduct a sale of prints at \$1.00 each. There will be large prints, averaging 20 inches by 24 inches, of famous paintings and faithful reproductions printed in full color in Europe.

### LAW SCHOOL LECTURES

The initial address in the Law School Lecture Series will be presented by Dr. Walter F. Murphy, Professor in the Department of Politics, Princeton University. The lecture is open to the public and will be presented in the Law School Courtroom at 10:00 a.m. on Monday, September 30th. Dr. Murphy will speak on "Ethics of Judicial Compromise." Coffee will be served at 2:00 p.m.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Neal Gillespie for the Ph.D. degree in History will be held on Monday, September 30th at 2:00 p.m. in Room 122 Allen Building. The subject of Mr. Gillespie's dissertation is "George Frederick Holmes and the Philosophy of Faith." The committee to conduct the examination consists of Professors I. B. Holley, Jr., R. S. Rogers, E. W. Nelson, J. T. Lanning, and Joel Colton. Professor Holley will preside.

### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, September 30th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Jeremy J. Hatch and Jack P. Hailman, of the Department of Zoology, will speak on "Las Islas Encantadas—A Galapagos Travelogue." Coffee and tea will be served in the foyer at 4:00 p.m.

### FALL HONORS ASSEMBLY

The Woman's College Fall Honors Assembly will be held on Monday, September 30th, at 7:30 p.m., in the Woman's College Auditorium. Dr. M. Margaret Ball, Dean of the Woman's College, will address the Assembly on the subject: "Scholarship and the Community of Scholars." The public is extended a cordial invitation to attend this meeting.

### DURHAM CIVIC CHORAL SOCIETY

The Durham Civic Choral Society, a non-profit organization and a participating member of the Allied Arts, has begun its fifteenth year with the first meeting of the fall season held this Monday, September 23rd, at 7:45 p.m. Dr. Paul R. Bryan of the Music Department is directing the ten weekly rehearsals in the chorus room at Durham High School. The first of the two concerts will be presented on November 25th. All adult singers of Duke and the Research Triangle area are cordially invited to join the Society.

The November performance will feature Franz Joseph Haydn's "Te Deum" and Giacomo Puccini's "Messa di Gloria."

### HONORS-MASTERS PROGRAM AND DINNER

The Honors-Masters program will begin its activities for the year with a dinner in honor of the fifty-eight new pregraduates in the program. The dinner will be in the Old Trinity Room on Tuesday night, October 1st, at 5:30 p.m. On Thursday night, October 3rd, at the same time and place, there will be a dinner for the twenty-eight seniors in the program.

All seniors who are interested in graduate work in the arts and sciences are invited to an open meeting on Thursday, October 3rd, 7:00 p.m., in Room 110 Flowers Building. The faculty committee for the Honors-Masters program will discuss such matters as

scholarship possibilities, language preparation, and the Graduate Record Examination.

The committee members are Professors Merle Bevington, Louis Budd, John Fein, Richard Leach, and Robert Dnrden, Chairman.

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### FINAL EXAMINATION FOR THE ED.D. DEGREE

The final examination of Mr. Fred Sandnsky for the Ed.D. degree in Education will be held on Tuesday, October 1st at 7:00 p.m. in Room 8A, West Duke Building. The subject of Mr. Sandnsky's dissertation is "The Admissions Practices and Procedures to the Bachelor of Divinity Program of Studies of the Accredited Protestant Theological Seminaries in the United States." The committee to conduct the examination consists of Professors W. A. Stumpf, O. L. Petty, E. C. Bolmeier, Robert S. Rogers, and R. L. Tuthill. Professor Stumpf will preside.

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### INTERNATIONAL RECEPTION

The University Religious Council invites all foreign students to an International Reception in the Lounge of the Men's Graduate Center on Tuesday, October 1st, from 8:00 to 10:00 p.m. Members of the Durham Community as well as students, faculty, and administration from the University Community will be there to greet them at this function, which is in honor of all the students on our campus who have come from other countries.

Further information or transportation to the reception may be secured by calling the Young Women's Christian Association Office, Extension 2909.

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### UNIVERSITY RELIGIOUS COUNCIL RETREAT

All members of the Duke University Religious Council are asked to note that the annual Fall Retreat of the Council will be held at Camp New Hope, Wednesday, October 2. Cars will leave the Chapel steps and the East Campus circle at 3:30 for all who can go out to the Camp for recreation and fellowship prior to the dinner hour. All others will leave at 5:30 P.M., to arrive at Camp in time for dinner at 6:00 o'clock. Worship and business will follow the evening meal. It is expected that the business session will adjourn not later than 9:00 P.M.

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### JOINT DUKE-UNC PHYSICS COLLOQUIUM

At 4:30 p.m. on Wednesday, October 2nd, Dr. Richard Setlow of the Oak Ridge National Laboratory will deliver the joint Duke-UNC Physics Colloquium in Room 114 Physics Building. Dr. Setlow is a physicist who has been investigating the basic laws governing life processes and will speak on "Error-correcting Mechanisms at the Molecular Level."

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### PHYSIOLOGY SEMINAR

The Department of Physiology will hold a Seminar on Thursday, October 3rd, at 4:00 p.m. in Room M-204 Davison Building. Dr. Aubrey Naylor, of the Zoology Department, will speak on "The Possible Operation of the Urea Cycle in Plants."

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### SLIDE RULE LECTURE

The second of the annual Slide Rule Lectures will be presented in the Engineering Auditorium on Thursday, October 3rd, at 7:00 p.m. Speaking on "Multiplication—Division C and D Scales," will be Professor F. Thomas Wooten. Since sample problems and examples will be studied, it is desirable that those attending bring slide rules. Sponsored jointly by Tau Beta Pi and The Order of Saint Patrick, the lectures are open to the public.

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### POLITICAL SCIENCE GRADUATE SEMINAR

The first meeting of the Political Science Graduate Seminar for the current academic year will be held in Room 208 Flowers Building on Friday afternoon, October 4th, at 3:00 p.m. The speaker will be Professor Percy H. Partridge of the Australian National University. His subject will be "The Role of Ideologies in Contemporary Politics."

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### CHEMISTRY STAFF SEMINAR

Professor C. A. Coulson, F.R.S. from Oxford University will speak at the Chemistry Staff Seminar on Friday, October 4th, in Room 01 Chemistry Building at 4:00 p.m. The subject of Professor Coulson's address will be "Over Crowded Molecules." All interested persons are cordially invited to attend.

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### DUKE UNIVERSITY UNITED FUND CAMPAIGN KICKOFF

A Kickoff Meeting for all workers in the general University campaign is scheduled for 4:00 p.m., Friday, October 4th, in the Engineering Building, Lecture Room 125. Workers in this campaign are urged to attend in order to receive instructions for the campaign. Medical Center United Fund Campaign workers will be notified later of their Kickoff Meeting.

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### STUDENT UNION YOUNG ARTISTS SERIES PRESENTS RICHARD DYER-BENNET

The Fine Arts Committee of the Student Union has the pleasure of presenting Richard Dyer-Bennet, twentieth century minstrel, on Friday, October 4th at 8:15 p.m. in Page Auditorium. This is the first program of the Young Artists Series and will be open to the public without charge. He will also be speaking to classes, seminars, and to the Graduate English Club on October 3rd. Mr. Dyer-Bennet is a cultured artist in the venerable tradition of Homer and the



Elizabethan bards. He accompanies himself on the Spanish guitar.

Mr. Richard Dyer-Bennet's repertoire consists of over 600 ballads and folk songs ranging from the song of victory sung by the conquering English soldiers after the battle of Agincourt to the ballads which came into being during World War II and include tunes which delighted Queen Elizabeth, haunting sea shanteys, and our own American heritage of work and play music.

The New York Times says of him:

"In addition to being a singer, he is an excellent guitarist, and besides being an entertainer, he is a composer and musicologist. One thing that sets him apart from other folk singers is the range of his repertoire. He filled the stage with a gallery of wistful, touching, humorous characters."

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### SPECIAL PHYSICS LECTURE

Dr. Charles A. Coulson, F.R.S. Rouse Ball Professor of Mathematics and Director of the Mathematical Institute, Oxford University will speak on "The Present Status of Molecular Structure" in Room 114 Physics Building at 10:30 a.m., on Saturday, October 5th.

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### DISTINGUISHED GUEST ON CAMPUS PROFESSOR CHARLES A. COULSON

The visit of Professor Charles A. Coulson, Director of the Mathematical Institute, Oxford University, to the campus of Duke University is an event of significance to the religious and scientific communities. Dr. Coulson expects to arrive at the University on Thursday evening, October 3, and to depart on Tuesday morning, October 8. On Friday, October 4, he will be lecturing in the Department of Chemistry. Inquiries concerning his schedule there may be addressed to Professor Pelham Wilder, Jr. On Saturday, Professor Coulson will be having discussions in the Department of Physics. Inquiries in this Department may be addressed to Professor Henry A. Fairbank. Sunday morning, October 6, Dr. Coulson will deliver the sermon in the Duke Chapel, at the University Service of Worship. Sunday evening, he will speak at the Methodist Student Center. Monday noon, Dr. Coulson will speak to a faculty luncheon, in the Union Ballroom, beginning at 12:30 P.M. Monday evening, he will give a public lecture in Page Auditorium, at 8:15. His topic at the faculty luncheon will be, "The Idea of a University," and his topic in Page Auditorium Monday evening will be, "Science and Religion—a Changing Relationship."

Dr. Coulson holds the following degrees: M.A., Ph.D., D.Sc., F.Inst.P., F.R.S.E., F.R.S. He was educated at Clifton College and Trinity College, Cambridge University. He did special research in Mathematics and Physics in 1931 and 1932. He was a Fellow, Trinity College, Cambridge, 1934-38. He was Lecturer

in Mathematics at (then) University College, Dundee, 1938-45. He held the I.C.I. Fellowship, Oxford, and was College Lecturer in Mathematics at University College, Oxford, 1945-47. He was Wheatstone Professor of Theoretical Physics in the University of London, 1947-52. He has been Rouse Ball Professor of Mathematics in the University of Oxford, Fellow of Wadham College, Oxford, and Director of the Mathematics Institute at Oxford since 1952. Dr. Coulson is the author of three scientific textbooks, the author of more than 200 research papers, two general books and numerous articles on the relations between science and religion. One of these books, **Science and Christian Belief** was awarded the Lecomte de Nouy Prize. Professor Coulson has held lectureships in the United States, Netherlands, Japan, Belgium, Italy, Sweden, France, Spain, Austria, Norway. He is an Honorary Fellow, Royal Society of Liege; he was awarded the Sykes Medal by the University of St. Andrews; the Gold Medal by the University of Bologna; the Medal of Honour by the University of Brussels; he is Honorary Vice-President of the Hospital Physicists Association; an Honorary Fellow of the Italian Cancer Society; a Lay Preacher in the Methodist Church; and he was Vice-President of the British Methodist Conference, 1959-60. Dr. Coulson does a great deal of lecturing on B.B.C.

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### ADVANCE NOTICE FACULTY CLUB RECEPTION

#### HONORING PRESIDENT AND MRS. KNIGHT

On Sunday, October 6th, the Faculty Club is inviting all members of the Faculty, the Administrative and Business staff and their wives or husbands to a reception to meet President and Mrs. Knight. It will be held in the Library of the Law School between the hours of 3:30 and 6:30 p.m.

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### ADVANCE NOTICE ERASMUS CLUB

The Erasmus Club, which meets on the first Monday of each month, will hold its first meeting of the year on Monday, October 7th, in the Green Room of East Duke Building at 8:00 p.m. Herbert Deinert, Assistant Professor of German, will speak on "Franz Kafka: The Parable 'Before the Law!'" All interested faculty members and graduate students are invited.

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### ADVANCE NOTICE GRADUATE GERMAN EXAMINATION

The German Examinations for candidates for graduate degrees will be given on October 14th-18th. Candidates should register in the Graduate School Office for this examination not later than October 2nd.

### 1963-64 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates. The 1963-64 Series is as follows:

#### THE GOLDOVSKY GRAND OPERA THEATER

Puccini's "Tosca" Tuesday, December 3

#### BACH ARIA GROUP Tuesday, February 4

William H. Scheide, Director

Eileen Farrell, Soprano	Julius Baker, Flute
Jan Pearce, Tenor	Robert Bloom, Oboe
Carol Smith, Alto	Bernard Greenhouse, Cello
Norman Farrow, Bass-baritone	Maurice Wilk, Violin
Paul Ulanowsky, Piano	

#### PRESTI AND LAGOYA, Guitar-Duo Tuesday, March 10

#### PITTSBURGH SYMPHONY ORCHESTRA Friday, March 20

William Steinberg, Music Director

#### JOHN BROWNING, Pianist Friday, April 17

### OFF-THE-SERIES ATTRACTION 1963-64

Tuesday, November 19

The Regimental Band and Massed Pipers of the BLACK WATCH (Royal Highland Regiment) with Highland Dancers from the Edinburgh Festival.

The BLACK WATCH performance will take place in the Indoor Stadium and reserved seats will be priced at \$2.50 and \$2.00 with a special price of \$1.50 and \$1.25 to Artists Series patrons. Children's tickets are priced at \$1.25 and \$1.00.

### CHAMBER MUSIC CONCERTS

The Chamber Arts Society announces the following six concerts for the 1963-64 season:

Saturday, October 19th—AMADEUS QUARTET  
Saturday, December 7th—JUILLIARD QUARTET  
Saturday, January 11th—HUNGARIAN QUARTET  
Saturday, February 8th—QUARTETTO ITALIANO  
Saturday, March 21st—FINE ARTS QUARTET  
Saturday, April 11th—NEW YORK STRING SEXTET

These concerts will be held in the Music Room, East Duke Building, beginning at 8:15 p.m. **Admission:** **Membership** in the Chamber Arts Society is open to all persons, and entitles to admission to all concerts. The cost of membership will be \$12.00. The Committee of the Society limits membership to 330 persons, the remaining 70 admissions being available to individuals who purchase **Guest Cards** for single concerts at price of \$2.50. These Guest Cards may be obtained at the door of the Music Room on concert evenings from 7:30 p.m. to 8:00 p.m.

### ART LOAN COLLECTION

The Duke University Art Loan Collection is now available for rental in Room 103 Asbury Building, Monday through Friday from 9:00 a.m. through 5:00 p.m. The collection contains reproductions of contemporary art and also some originals. The pictures are rented per semester. Rental fee \$3.00, to be paid in advance.



WEEK OF

Oct. 6-12, 1963

WEEK OF

Oct. 6-12, 1963

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, October 6

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship. University Chapel. The Holy Communion. Communion Meditation: The Reverend Professor Charles A. Coulson, Director, Mathematical Institute, Oxford University, England. Celebrant: The Reverend Professor James T. Cleland, Dean of the Chapel. Broadcast over Radio Station WDNC and WDNC-FM.

3:30-6:30 p.m. Faculty Club Reception honoring President and Mrs. Douglas M. Knight. Library of the Law School.

### Monday, October 7

12:30 p.m. University Religious Council, Faculty Luncheon honoring Charles A. Coulson. Union Ballroom.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:00 p.m. Faculty Volleyball. Indoor Stadium.

8:00 p.m. Erasmus Club Meeting. Green Room, East Duke Building. Speaker: Dr. Herbert Deinert.

8:15 p.m. University Religious Council Address: Professor Charles A. Coulson. Page Auditorium.

### Tuesday, October 8

10:10 a.m. Divinity School Chapel. York Chapel. The Reverend Richard L. Jackson, Congregational-Christian Church (United Church of Christ).

3:00 p.m. Campus Club Meeting honoring Newcomers. Union Ballroom, West Campus.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00 and 7:00 p.m. Student Union Fine Arts Committee presents film, "Art in Exhibition." Room 204 Flowers Building. (This film from Yale University describes visually the correct hanging of an art exhibition.)

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.

### Wednesday, October 9

10:10 a.m. Divinity School Chapel. York Chapel. The Reverend David M. Currie, First Presbyterian Church.

11:00 a.m. Divinity School Lecture. York Chapel. Speaker: Dr. Lester A. Welliver.

4:15 p.m. Botany Seminar. Room 111 Biological Sciences Building. Speaker: Dr. Walter H. Hodge.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.

- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Modern Dance Club tryouts. Ark, East Campus.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:05 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Sparrows Can't Sing" with James Booth and Barbara Windsor. Joan Littlewood's rollicking British comedy. "A wild and wacky frolic!"—Crowther, N. Y. Times. "Brilliant almost beyond praise! A well-nigh perfect comedy"—The New Yorker.

## Thursday, October 10

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. William Louis Piel.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:00 p.m. Department of Physiology Seminar. Room M-204, Medical Center.
- 4:00 p.m. Undergraduate Faculty Council. Room 208 Flowers Building.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:15 p.m. Faculty Volleyball. Indoor Stadium.
- 7:00 p.m. Slide Rule Lecture. Room 125 Engineering Building.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. Student Union Speakers Series: Former Ambassador Sergio Rojas of Cuba. Page Auditorium.

## Friday, October 11

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Harmon L. Smith and Mr. J. Patrick Heafner.
- 1:00 p.m. The final examination of Mr. Bruce David Grossman for the Ph.D. degree in Psychology. Conference Room, Child Guidance Clinic.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:00 p.m. Joint Duke-UNC Philosophy Colloquium. Professor Virgil Aldrich of Kenyon College. 213 Caldwell Hall, Chapel Hill.
- 8:15 p.m. An Evening with Iain Hamilton. Music Room, East Duke Building.

## Saturday, October 12

- 2:00 p.m. Varsity Football: Duke versus University of California. Berkeley, California.
- 7:05 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Sparrows Can't Sing" with James Booth and Barbara Windsor. Joan Littlewood's rollicking British comedy. "A wild and wacky frolic!"—Crowther, N. Y. Times. "Brilliant almost beyond praise! A well-nigh perfect comedy"—The New Yorker.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Sunday, 9:00-9:30 A.M., Center, Coffee and doughnuts; rides to local churches. Friday, 6:15 P.M., Supper followed by worship and seminars being led by Drs. Robert Osborn and Thomas Langford. Saturday, October 12, Depart from Center at 5:00 P.M., for a hayride, picnic and square dance; cost, \$1.00.

**EPISCOPAL UNIVERSITY CENTER:** Sunday (Trinity XVII), 9:30 A.M., Center, Holy Communion (Chapel of St. Michael); 7:00 P.M., Film Forum at the Presbyterian Center; film—"Patterns." Monday, 8:15 P.M., Lecture by Dr. Charles Coulson on "New Frontiers in Science and Religion," in Page Auditorium. Participants in "Evenings of Dialogue" are asked to attend the lecture and discussion. Wednesday, 7:10 A.M. and 5:30 P.M., Holy Communion (Chapel of St. Michael). Friday, 3:00 P.M., Seminar on "Orthodoxy," (Dr. William Bush).

**LUTHERAN STUDENT ASSOCIATION:** Sunday, 6:30 P.M., Green Room, East Duke Building, Sam Bradley, Discussion Leader; A tape recording of "For Heaven's Sake" will be played. Wednesday, 7:15 A.M., Communion Service in the Memorial Chapel of Duke Chapel.

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Coffee; 9:30 A.M., discussion of Freshman Forum: "The Church in the University"; 5:00 P.M., Center, Congregational meal (75¢ per plate); Dr. Charles Coulson will speak on "The Christian Layman." Wednesday, 7:00 A.M., Holy Communion, East Duke Chapel. Thursday, 9:00 P.M., 102R Men's Graduate Center, Graduate Study Group: "Contemporary Criticisms of Christianity."

The Fall Retreat will be held on October 12, 13, at Camp Chesnut Ridge near Efland. Dr. Douglas M. Knight and Chaplain Robert Johnson, Director of the UNC Wesley Foundation, will lead a discussion on "The Idea of a University." Registration is \$3.50. For information see Frank Peters on West or Kay Haire on East, or call the Methodist Center, 286-9230. Registration deadline is Monday, October 7.

**UNITED STUDENT FELLOWSHIP:** Sunday, 5:00 P.M., A supper meeting at the home of Dr. and Mrs. Richard Grant, 2509 Wrightwood Avenue. After supper and a short business meeting, the group will go to the Presbyterian Student Center for the Protestant "Film Forum" at 7:00 P.M. Transportation



will leave the Chapel steps, the East Campus circle and Hanes House at 4:45 P.M.

**WESTMINSTER HOUSE: Sunday, 6:15 P.M.,** Center, Vespers; movie, "Paterus." Coffee and pastries will be served after the movie.

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### UNIVERSITY SERVICE OF WORSHIP

The University Service of Holy Communion will be held Sunday, October 6th, at 11:00 a.m. in the University Chapel as a part of the regular Service of Worship. The Reverend Professor Charles A. Coulson, Director, Mathematical Institute, Oxford University, England, will deliver the Communion Meditation, and the Reverend Professor James T. Cleland, Dean of the Chapel, will be the Celebrant. The Nave Ministers will be the members of the Divinity School Student Body. The Chancel Ministers will be The Reverend Dr. John J. Rudin, II, Associate Professor of Speech and Worship, The Divinity School; The Reverend Dr. Howard C. Wilkinson, Chaplain to the University; The Reverend A. Jack Wilson, III, Associate Director of Religious Life; and The Reverend John J. Carey, Chaplain to United Church of Christ Students.

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### FACULTY CLUB RECEPTION

#### HONORING PRESIDENT AND MRS. KNIGHT

On Sunday, October 6th, the Faculty Club is inviting all members of the Faculty, the Administrative and Business staff and their wives or husbands to a reception to meet President and Mrs. Knight. It will be held in the Library of the Law School between the hours of 3:30 and 6:30 p.m.

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### U.R.C. FACULTY LUNCHEON AND

#### U.R.C. ADDRESS BY CHARLES A. COULSON

Professor Charles A. Coulson, Director of the Mathematical Institute at Oxford University, is scheduled to speak on Monday, October 7th, at two meetings sponsored by the Duke University Religious Council. At 12:30 p.m., a faculty luncheon will be held in the Union Ballroom, at which Dr. Coulson will speak on the topic, "The Idea of a University." This meeting is sponsored by the Faculty Program Committee of the Religious Council of which Dr. Robert Durden is chairman.

Dr. Coulson's second address will be given in Page Auditorium, at 8:15 p.m. He will speak on the topic, "Science and Religion—a Changing Relationship." The evening address and forum in Page Auditorium is sponsored by the Special Observances Committee of the Religious Council with Miss Maureen Doggett as chairman. All students and faculty, as well as the general public, are cordially invited to attend this lecture.

### ERASMUS CLUB

The Erasmus Club, which meets on the first Monday of each month, will hold its first meeting of the year on Monday, October 7th, in the Green Room of East Duke Building at 8:00 p.m. Herbert Deinert, Assistant Professor of German, will speak on "Franz Kafka: The Parable 'Before the Law!'" All interested faculty members and graduate students are invited.

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### CAMPUS CLUB MEETING

The Campus Club will honor Newcomers at a reception in the Union Ballroom on West Campus at 3:00 p.m. on Tuesday, October 8th. The hostess departments of Geology, Immunology and Psychiatry will have Mrs. Sanford I. Cohen as Chairman.

At this meeting the members will have an opportunity to sign for participation in the sixteen study groups which include: book study, bridge, cooking, language study (French, German and Spanish), golf lessons, music study, rug hooking, sketching, Swedish-darning and crewel embroidery. For further details regarding the study groups Mrs. Karl M. Wilbur or Mrs. Frank Ashmore may be called. Dues may also be paid and tickets for the November luncheon may be purchased.

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### DIVINITY SCHOOL LECTURE

An open lecture on "Work of the Judicial Council of The Methodist Church" by Dr. Lester A. Welliver, President, Judicial Council of The Methodist Church, will be presented on Wednesday, October 9th at 11:00 a.m. in York Chapel. The public is cordially invited.

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### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, October 9th at 4:15 p.m. in Room 111 Biological Sciences Building (Auditorium) West Campus. Dr. Walter H. Hodge, Program Director for Systematic Biology, National Science Foundation, will speak on "Facilities for Biological Research in the American Tropics."

Dr. Hodge, a graduate of Clark with the M.A. and Ph.D. degrees from Harvard, has taught at the University of Massachusetts, served with the Bureau of Plant Introduction ARS, and most recently was Head of the Department of Education and Research, Longwood Gardens. His interests in plant exploration have taken him on numerous expeditions to Mexico, all parts of Central and South America, to South Africa, Australia and Java.

Refreshments will be served in the foyer at 4:00 p.m.

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### MODERN DANCE CLUB TRYOUTS

Terpsichorean, the Modern Dance Club will hold its fall tryouts on Wednesday, October 9th at 7:00



p.m. in the Ark on East Campus. All freshmen and upper classmen who are interested in dance are asked to come. Emphasis will be placed upon natural ability rather than experience.

### PHYSIOLOGY SEMINAR

The Department of Physiology will hold a seminar on Thursday, October 10th, at 4:00 p.m., in Room M-204, Duke University Medical Center. Dr. Miles Weatherall, of the Department of Pharmacology, London Hospital Medical College, London, England, will speak on "Aspects of the Mode of Action of Digitalis."

### UNDERGRADUATE FACULTY COUNCIL

The Undergraduate Faculty Council will meet at 4:00 p.m. on Thursday, October 10th in Room 208 Flowers Building.

### STUDENT UNION SPEAKERS SERIES FORMER AMBASSADOR ROJAS OF CUBA

The Student Union will present Castro's former Cuban Ambassador to Great Britain, Sergio Rojas, as the first speaker in the 1963-64 Major Speaker Series. Ambassador Rojas will address the Campus at 8:15 p.m. on Thursday, October 10th in Page Auditorium on "The Great Communist Conspiracy in Cuba and Latin America." All speakers' addresses are open to the public without charge.

Ambassador Rojas was a leader in the Revolution that brought Castro to power and was the first Ambassador appointed. During his year in Great Britain he became disillusioned with the regime's switch to the Communist line and returned to his country, submitting his resignation in the face of arrest and possible death. He sought refuge in the Argentine Embassy and fled the country.

Rojas now resides in Barcelona, Spain and, as Director of the Cuban Center for Studies of Freedom, is active in the movement to see Castro ousted from Cuba. During the past two years he has brought his story to over 100 colleges and high-level business groups in the United States.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Bruce David Grossman for the Ph.D. degree in Psychology will be held on Friday, October 11th, at 1:00 p.m. in the Conference Room of the Child Guidance Clinic. The subject of Mr. Grossman's dissertation is "Parental Warmth, Child Dependency and Responsiveness to Social Reinforcement." The committee to conduct the examination consists of Professors Lloyd J.

Borstelmann, Donald K. Adams, Jack W. Brehm, Carl Eisdorfer and Alan C. Kereckhoff. Professor Borstelmann will preside.

### JOINT DUKE-UNC PHILOSOPHY COLLOQUIUM

Professor Virgil Aldrich of Kenyon College will speak on "An Aspect Theory of Mind" in 213 Caldwell Hall, Chapel Hill, at 8:00 p.m. on Friday, October 11th. All interested members of the University Community are invited.

### AN EVENING WITH IAIN HAMILTON

The first in the 1963-64 series entitled "Five Evenings With Iain Hamilton" will be presented on Friday, October 11th at 8:15 p.m. in the Music Room, East Duke Building. Mr. Hamilton, Mary Duke Biddle Professor of Music, will discuss "Great Non-radicals" including Milhaud, Messiaen and Shostakovich. The series is presented under the auspices of the Department of Music and the university community and the general public are cordially invited to attend.

The remainder of the series will be as follows:

November 18 (Monday)  
Luigi Dallapiccola Concert

February 21 (Friday)  
Gunther Schuller, Mary Duke Biddle guest lecturer.  
Iain Hamilton in a concert presentation by the New York  
Woodwind Quintet and the New York Brass Quintet.

March 24 (Tuesday)  
Benjamin Britten Concert

April 21 (Tuesday)  
A Workshop Concert featuring Duke University composers who  
have studied with Mr. Hamilton.

Each event of the series will take place in the Music Room, East Duke Building at 8:15 p.m.

### 1963-64 ARTISTS SERIES

Season tickets priced at \$8.00 and \$9.00, are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates. The 1963-64 Series is as follows:

#### THE GOLDOVSKY GRAND OPERA THEATER

Puccini's "Tosca" Tuesday, December 3

#### BACH ARIA GROUP Tuesday, February 4

William H. Scheide, Director

Eileen Farrell, Soprano	Julius Baker, Flute
Jan Peerce, Tenor	Robert Bloom, Oboe
Carol Smith, Alto	Bernard Greenhouse, Cello
Norman Farrow, Bass-baritone	Maurice Wilk, Violin
Paul Ulanowsky, Piano	

#### PRESTI AND LAGOYA, Guitar-Duo Tuesday, March 10

#### PITTSBURGH SYMPHONY ORCHESTRA Friday, March 20

William Steinberg, Music Director

#### JOHN BROWNING, Pianist Friday, April 17

## OFF-THE-SERIES ATTRACTION 1963-64

Tuesday, November 19

The Regimental Band and Massed Pipers of the BLACK WATCH (Royal Highland Regiment) with Highland Dancers from the Edinburgh Festival.

### ART EXHIBITIONS

The Student Union and the Department of Art announce two new exhibits now ready for viewing in the two art areas on Campus. In the Gallery of the Woman's College Library the exhibit, "Sculptors' Drawings" from The Joseph H. Hirshhorn Collection, on loan from The American Federation of Arts, may be seen. In the Lounge of the West Union Building the exhibit titled, "North Carolina Printmakers," on loan from the North Carolina Museum of Art, may be seen.

"Sculptor's Drawings" was assembled by Joseph H. Hirshhorn as an adjunct to his collection of sculpture and called by Curator Abram Lerner "a graphic extension of the sculptor's vision."

"North Carolina's Printmakers" includes thirty recent prints by contemporary North Carolina printmakers.

### DUKE UNIVERSITY CAMPAIGN FOR THE DURHAM UNITED FUND

The 1963 Durham United Fund Campaign is off to a flying start. The Duke Campaign is scheduled to begin Monday, October 7, 1963. Duke University employees, including staff and faculty, will again be given the opportunity to contribute through a payroll deduction plan. The Durham Community needs your help; Duke University needs credit for your contribution. When you are contacted by a Duke Campaign worker, pledge generously.

### ADVANCE NOTICE GRADUATE GERMAN EXAMINATION

The German Examinations for candidates for graduate degrees will be given on October 14th-18th. Candidates should register in the Graduate School Office for this examination not later than October 2nd.

### ADVANCE NOTICE MECHANICAL ENGINEERING DEPARTMENT SEMINAR

Professor V. V. Sokolovskiy, Director of the Laboratory of Theory of Plasticity of the Institute of Mechanics of the Academy of Sciences of the USSR, Moscow, Russia, will conduct a seminar in the Mechanical Engineering Department on October 14th.

Professor Sokolovskiy will lecture on "Complete Solutions of Problems of Plastic Flow." The seminar will be held in Room 226 of the Engineering Building, at 3:30 p.m. Graduate students, faculty, and engineers from area laboratories and industries, will attend.

Professor Sokolovskiy has been active in the area of elasticity, plasticity, and soil mechanics, since 1936. He has a well-known reputation in engineering and scientific circles for his research and publications in these fields. He has been Director of the Laboratory of Theory of Plasticity since 1959. His visit to this country is under the auspices of the National Research Council, National Academy of Sciences.

### STUDENT UNION PRESENTS "A MAN FOR ALL SEASONS"

The New York Drama Critics' Prize Play, Robert Bolt's "A Man for All Seasons" will be presented in Page Auditorium on Thursday, October 17th at 8:15 p.m. The starring role of Sir Thomas More will be played by Robert Harris with a supporting cast including Robert Donley, Dick O'Neill, and Jeff Morrow.

Advance ticket sales are announced by the sponsoring group, the Student Union Major Attractions Committee: tickets priced at \$3.50, \$3.00 and \$2.50 are available at the Page Box Office from 2:00 to 5:00 p.m. on Wednesday, Thursday, and Friday, October 9th, 10th, and 11th and from Monday, October 14th through the performance date Thursday, October 17th.

Reservations may be made by calling extension 2911 during Box Office hours or by writing Box KM, Duke Station. Anyone wishing tickets returned by mail is requested to enclose a stamped self addressed envelope with their check and request.

### ADVANCE NOTICE CHAMBER ARTS SOCIETY AMADEUS STRING QUARTET

The Chamber Arts Society announces the first concert of its season to be played by the Amadeus String Quartet from London, Saturday, October 19th, in the Music Room East Duke Building, at 8:15 p.m. The concert is the sixth to be presented here by the Amadeus Quartet, the first being March 1963. The musicians are Norbert Brainin and Siegmund Nissel (Violins), Peter Schidlöf (Viola), and Martiu Lovett (Cello). The program follows:

Haydn ..... Quartet in G major, Opus 76, No. 1  
Rachin Fricker ..... Quartet No. 2  
Beethoven ..... Quartet in A major, Opus 18, No. 5

Other Chamber Music Concerts scheduled this season include:

December 7 (Saturday) ..... Juilliard Quartet  
January 11 (Saturday) ..... Hungarian Quartet  
February 8 (Saturday) ..... Quartetto Italiano  
March 21 (Saturday) ..... Fine Arts Quartet  
April 11 (Saturday) ..... New York String Sextet

Membership and Admission:

A membership card for admission to all concerts costs \$12.00; the membership card is transferable.

Membership enrollment is limited to 330 persons (60 memberships remain available at present); cards are issued in order of application. Program information will be sent to any interested persons on request.

A guest card for a single admission to any one concert costs \$2.50. About 60 guest cards will be available for each concert. They may be obtained at the door from 7:30 to 8:00 p.m. on concert evenings.

The Chamber Arts Society is a non-profit organization; membership is open to all persons. For membership enrollment send your address and a check to Chamber Arts Society, c/o Ernest W. Nelson, Box 6065 College Station, Durham, North Carolina.

## RECREATIONAL USE OF THE DUKE FOREST

Members of the University community are reminded that recreational use of the Duke Forest is permitted as long as the Forest rules are not violated.

The Forest rules which are strictly enforced are:

1. No fires of any kind are permitted on the Forest at any time except in the grills at the improved picnic sites.
2. Cars, motorcycles and motorscooters are *not* allowed within the forest or on forest roads.
3. All gates must *not* be blocked at any time. The roads are for emergency use as well as normal access in the operation of the forest.

4. Trees, brush and grasses must *not* be cut, scarred, or in any way mutilated as such damage will destroy research projects.
5. Hunting or shooting of firearms and air rifles are *not* permitted.

Keys to the improved picnic sites may be checked out and the sites reserved at the Duke Forest Office in the Biological Sciences Building, West Campus. There is no charge for the use of the improved picnic sites.

## FACULTY—STAFF GOLF TOURNAMENT

A Faculty—Staff Golf Tournament, sponsored by the Faculty Club of the University, will be held between October 19th and November 10th and played on the Duke course. The Tournament will be 54-hole (three 18-hole rounds) medal play. The first round of play is the flight qualifying round and must be completed by October 25.

All members of the faculty and staff are invited to participate. Interested persons should call Coach Hagler at the golf course, 2817, or sign up at the golf club house. The entry fee is \$3.00. There will be prizes for winners in all flights.



WEEK OF  
Oct. 20-26, 1963

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Oct. 20-26, 1963

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, October 20

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "A Gospel of Salvation." Broadcast over Radio Station WDNC and WDNC-FM.
- 2:00 p.m. Homecoming Pops Concert: Duke Concert Band. Quadrangle of West Campus.
- 4:00 p.m. Organ Concert. University Chapel. Mildred L. Hendrix, University Organist.
- 7:00 p.m. Governor George Wallace, Governor of Alabama, sponsored by the National Student Association Committee of the Men's Student Government Association. Page Auditorium.
- 7:00 p.m. Christian Centers Films. Presbyterian Student Center.

### Monday, October 21

- 1:30 p.m. The final examination of Mr. Robert Ford Welsh for the Ph.D. degree in English. Room 201 Allen Building.
- 4:00 p.m. Linguistics Lecture. Room 208 Flowers Building. Speaker: Professor William G. Moulton.
- 4:15 p.m. Zoology Seminar. Auditorium of the Biological Sciences Building. Speaker: Dr. Howard J. Adler.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.

- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. A Commentary on "A Man for All Seasons": Dr. Robert A. Van Kluyve. Episcopal Student Center.
- 7:30 p.m. Student Union Orientation Meeting. Union Ballroom.
- 8:15 p.m. CORE Organizational Meeting. Room 208 Flowers Building.

### Tuesday, October 22

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor O. Kelly Ingram.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Trinity College Historical Society Meeting. Men's Graduate Center. Speaker: Dr. Colin W. Newberry.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor. Card Gymnasium.
- 8:15 p.m. Parapsychology Lecture. Auditorium of the Biological Sciences Building. Speaker: Dr. J. B. Rhine.

### Wednesday, October 23

- 10:10 a.m. Divinity School Lecture. York Chapel. Professor O. Kelly Ingram.
- 4:00 p.m. Phi Beta Kappa Fall Elections. Room 205 Divinity School.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.

- 4:15 p.m. Botany Seminar. Room 111 Biological Sciences Building. Speaker: Dr. Weston LaBarre.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "The Marriage of Figaro" (French). The Comedie Francaise in Beaumarchais' classic play in Eastman Color. "A treasure!"—Weiler, *N. Y. Times*. "Deserves only the superlatives. Filled with social satire and comment sparkling with topicality"—Crist, *N. Y. Herald Tribune*.
- 7:30 p.m. Student Union Graphic Arts Lecture: Helen Thrush. Union Ballroom.
- 8:30 p.m. Student Union Coffee following film. Room 208 Flowers Building.

## Thursday, October 24

- 10:10 a.m. Divinity School Lecture. York Chapel. Mr. James W. Lineberger.
- 1:30 p.m. The final examination of Mr. T. G. Rajagopalan for the Ph.D. degree in Biochemistry. Room 1535 Gerontology Building.
- 2:15 p.m. International Relations Lecture. Courtroom of the Law School. Speaker: Mr. Derek Prag.
- 3:30 p.m. Public Lecture on Africa: Dr. C. W. Newberry. Room 229 Allen Building.
- 3:45 p.m. U. S. UNICEF Director Lecture: C. Lloyd Bailey. Room 201 Flowers Building.
- 4:00 p.m. Meeting of the University Faculty. Page Auditorium.
- 4:00 p.m. Physiology Seminar. Room M-204 Medical Center. Dr. Walter Bonner.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, October 25

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Professor O. K. Ingram, Celebrant.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

- 8:00 p.m. Duke Psychiatric Residents' Group Lecture: Dr. Walter Bonime. Room 2031 Duke Hospital.
- 8:15 p.m. Duke Players Performance: "The Pleasure of His Company." Page Auditorium.

## Saturday, October 26

- 10:10 a.m. Duke Psychiatric Residents' Group Lecture: Dr. Walter Bonime. Room D3008, VA Hospital.
- 2:00 p.m. Varsity Football: Duke versus N. C. State College. Raleigh, N. C.  
N.B.—Quadrangle Pictures will be closed to accommodate the Duke Players Performance.
- 8:15 p.m. Duke Players Performance: "The Pleasure of His Company." Page Auditorium.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Sunday, 9:30 A.M., Center, Coffee and doughnuts. Tuesday, Noon, Lunch will be served at the Center followed by a discussion led by Dr. Hugh Hall of the Duke Dept. of Political Science, on the general theme of "Recent Concerns in My Discipline and Implications for Christian Responsibility." Cost of lunch is \$1.00. Friday, 6:15 P.M., Supper followed by worship and seminars.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL UNIVERSITY CENTER:** Sunday, 9:30 A.M., Holy Communion; 6:15 P.M., Evensong; 7:00 P.M., Film Forum at the Presbyterian Student Center—"Assembly Line" and "The Red Balloon." Monday, 7:00 P.M., Evenings of Dialogue with a commentary on "A Man for All Seasons," by Dr. Robert Van Klyve. Wednesday, 7:10 A.M. and 5:30 P.M., Holy Communion. Friday, 3:00 P.M., Seminar on Orthodoxy (Dr. William Bush).

**LUTHERAN STUDENT ASSOCIATION:** Sunday, 6:30 P.M., Green Room, East Duke Building, The Reverend J. Schoneberg Setzer will speak on "The Modern Christian's Attitude Toward Miracles."

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Freshman Forum, snack breakfast and discussion of "The Meaning of Worship"; 6:00 P.M., Evening Prayer. Tuesday, 7:00 P.M., Seminar—"The Meaning of Freedom." Wednesday, 7:00 A.M., East Duke Chapel, Holy Communion (Rides will leave the entrance of the main student parking lot on West at 6:55 A.M.). Thursday, 9:00 P.M., Graduate Seminar, "Contemporary Criticisms of Christianity," Men's Graduate Center.

**UNITED STUDENT FELLOWSHIP:** Sunday, 5:30 P.M., Meet at the home of Dr. and Mrs. Henry Fairbank, 1515 Pinecrest Road. After supper and a short business meeting the group will go to the Presbyterian Student Center for the Film Forum. Transportation will leave from the Chapel, East Campus circle and Hanes House at 5:15 P.M.

**WESTMINSTER HOUSE:** Sunday, 6:15 P.M., Center, Vespers: 7:00 P.M., Film Forum.



## UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, October 20th in the University Chapel. His subject will be, "A Gospel of Salvation." The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson,  
Chaplain to the University.

Lector: Dr. Douglas M. Knight, President of the University.  
Opening Organ Voluntary—Prelude and Fugue in G minor.

Call to Worship—"The Lord Is in His Holy Temple" *Alain*  
Hymn—"Before Jehovah's Awesome Throne" *Alain*  
*Buxtehude*  
*Flor Peeters*  
Aria *Melody from Genevan Psalter*

The Prayer of Adoration

The Lord's Prayer

Anthem—"Christe, Adoramus Te" *Claudio Monteverde*

Scripture Lesson—Luke 19:1-10

Hymn—"He Leadeth Me" *William B. Bradbury*

Call to Prayer

The Pastoral Prayer of Confession, Thanksgiving, Intercession,  
Petition and Dedication

The Offering

Offertory Organ Interlude

Autheum—"Lift Up Your Heads, O Ye Gates" *George Handel*  
from *The Messiah*

Response—The Doxology

Prayer of Dedication

Sermon—"A Gospel of Salvation"

Prayer

Benediction

Choral Response—"Dresden Amen" *Dresden*

The Chimes

Closing Organ Voluntary—Fantasia in G *Bach*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, October 27th, is the Reverend Dr. Chester A. Pennington, Minister of Hennepin Avenue Methodist Church, Minneapolis, Minnesota.

## ORGAN RECITAL

The first organ recital of the academic year will be presented by Mildred L. Hendrix, University Organist, on Sunday, October 20th, at 4:00 p.m. in the University Chapel. The public is extended a cordial invitation to attend.

Mrs. Hendrix' program, consisting of music by French composers, was prepared during the past summer while she studied at the International Academy in Nice, France with Pierre Cochereau, the world famous organist of Notre Dame Cathedral.

The program follows:

Mass for the Parishes *François Couperin, le Grand*  
(1668-1733)

Gloria. Dialogue sur les trompettes . . .

Kyrie. Recit de Chromhorne.

Benedictus. Chromhorne en Taille.

Chorale in E Major *César Franck*  
(1822-1890)

Divertissement *Louis Vierne*  
(1870-1939)

Le Banquet Céleste *Olivier Messiaen*  
(1908- )

Trois Pièces *Jehan Alain*  
(1911-1940)

Variations sur un theme de Clement Jannequin

Le Jardin Suspendu

Litanies

## HOMECOMING POPS CONCERT ON WEST QUADRANGLE

The Duke University Concert Band, under the direction of Paul Bryan, will present a Homecoming Pops Concert on Sunday afternoon, October 20th at 2:00 P.M. on West Campus in the Quadrangle under the clock.

This concert which has usually been given in the Sarah P. Duke Gardens has been moved to the campus at the request of the Men's Student Government Association so that it can be more readily available to the class of 1967 for whom it is especially presented. Continuing the informality of past outdoor concerts, the public is invited to attend and bring blankets for seating on the grass. Refreshments will be served. In case of rain the concert will be presented in Page Auditorium and the reception will be in the foyer of the auditorium. A program of music "easy on the earballs" is as follows:

Boston Commandery March	T. M. Carter
Overture to the Opera <i>Semiramide</i>	G. Rossini
Valzer Campestre from <i>Suite Siciliana</i>	G. Marinuzzi
"Care Selve" from the Opera <i>Atalanta</i>	G. F. Handel
March "Cornfed"	P. Bryan
"Autumn in New York"	Vernon Duke
Two Dances	Teriz Tueci
La Bamba de Vera Cruz ("Mexican Dance")	
Sonnenbichl (No. 1 of the Choral Suite	
"From the Bavarian Highlands")	Edward Elgar, Op. 27
Victory at Sea, Symphonic Scenario	Richard Rodgers

## CHRISTIAN CENTERS FILMS

The Campus Christian Centers invite the University Community to a showing of two short films, "Assembly Line" and "The Red Balloon," both of which deal with the problem of finding one's identity as a person. There is no admission charge, and coffee and discussion will follow. The films will be shown at the Presbyterian Student Center on Alexander Street at 7:00 p.m., Sunday, October 20th.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Robert Ford Welsh for the Ph.D. degree in English will be held on Monday, October 21st at 1:30 p.m. in Room 201 (Conference Board Room) Allen Building. The subject of Mr. Welsh's dissertation is "The Printing of the Early Editions of Marlowe's Plays: Tamburlaine (1590), The Massacre at Paris (1592), Edward II (1594), Dido (1594), Doctor Faustus (1604, 1616), The Jew of Malta (1633)." The committee to conduct the examination consists of Professors George W. Williams, John L. Lievsay, Charles E. Ward, Holger Nygard and Ernest Nelson. Professor Williams will preside.

## LINGUISTICS LECTURE

Professor William G. Moulton of the Program in Linguistics, Princeton University, will present a lecture on "How the Linguist Looks at Language" on Tuesday, October 22nd at 4:00 p.m. in Room 208 Flowers Building. Professor Moulton is appearing



under the auspices of the Interdepartmental Committee on Linguistics. The lecture is open to the public.

### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, October 21st in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Howard J. Adler, Oak Ridge National Laboratory, Oak Ridge, Tennessee will speak on "Genetic Analysis of Radiation Response in Bacteria." Coffee and tea will be served in the foyer at 4:00 p.m.

### A COMMENTARY ON "A MAN FOR ALL SEASONS"

On Monday, October 21st at 7:00 p.m. there will be a commentary on "A Man For All Seasons" by Dr. Robert A. Van Kluyve, a member of the English Department. The meeting will be held at the Episcopal University Center on Alexander Avenue (off Myrtle Drive). All interested persons are cordially invited to participate.

### CORE ORGANIZATIONAL MEETING

Faculty and students interested in the organizing of a CORE Chapter and in discussing a proposed constitution for the Chapter are invited to meet at 8:15 p.m. on Monday, October 21st, in Room 208 Flowers Building.

### TRINITY COLLEGE HISTORICAL SOCIETY MEETING

The first dinner meeting of the Trinity College Historical Society for 1963-64 will be held on Tuesday, October 22nd in the private dining room of the Men's Graduate Center. At 5:30 p.m. a special cafeteria line will commence serving members of the Society, at a cost of \$1.25 per person. New history graduate students are especially welcome. Wives are cordially invited to attend. Dr. Colin W. Newbury of Oxford University will address the Society on "The West African Commonwealth: Great Britain and the New States."

### AFRICA: PUBLIC LECTURES

Dr. C. W. Newbury, a member of the Institute of Commonwealth Studies, Oxford, will be in residence at Duke October 16th to November 15th. Under the auspices of the Committee on the Ford Commonwealth—International Studies Grant, he will give three lectures on the general subject of **The West African Commonwealth**. These will be given as follows:

1. "Great Britain and the New States," on Tuesday, October 22nd at 5:30 p.m. in the Men's Graduate Center, before a meeting of the Trinity College Historical Society. Mr. Antony Wood will preside.
2. "Nationalism and the Transfer of Power," on Thursday, October 24th at 3:30 p.m. in Room 229 Allen Building. Professor C. Manning Clark will preside.
3. "Current Perspectives," on Tuesday, October 29th at

2:00 p.m. in Room 109 Carr Building. (Woman's College). Professor J. Harris Proctor will preside.

Dr. Newbury took his M.A. degree at Otago University and his Ph.D. at Australian National University. He has taught at University College, Ibadan. He is the author of **The Western Slave Coast and its Rulers** and editor of John Davies, **History of the Tahitian Mission, 1799-1830**, for the Hakluyt Society.

### PARAPSYCHOLOGY LECTURE

Dr. J. B. Rhine, Director of the Parapsychology Laboratory, will speak on "Parapsychology Today—Here and Abroad" on Tuesday evening, October 22nd at 8:15 p.m. The lecture will be given in the Auditorium of the Biological Sciences Building. The public is cordially invited to attend.

### PHI BETA KAPPA FALL ELECTIONS

The fall meeting of Phi Beta Kappa will be held on Wednesday, October 23rd at 4:00 p.m. in Room 205 Divinity School. Undergraduate elections will be the main business of the meeting. All staff and faculty members of the Society are eligible to vote. Those not already on the roll should call the Secretary, Professor W. F. Stinespring, 105 Divinity School, Extension 3234.

### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, October 23rd at 4:15 p.m. in Room 111 Biological Sciences Building (Auditorium) West Campus. Dr. Weston LaBarre, Professor of Anthropology will speak on "The Ethnobotany and Ethnography of *Lophophora williamsii*—Mescal—Peyote."

Mescal or Peyote has long been used by American Indians and others for various purposes including certain ceremonial rites which, as a part of his field studies, Dr. LaBarre has been privileged to observe.

Refreshments will be served in the foyer at 4:00 p.m.

### STUDENT UNION GRAPHIC ARTS LECTURE

The Student Union Fine Arts Committee will present Miss Helen Thrush acting Head of the Art Department, The University of North Carolina at Greensboro, on Wednesday, October 23 in a lecture-demonstration on the Graphic Arts. The talk will be given in the Union Ballroom of the West Union Building at 7:30 p.m. and is open to the public without charge.

The evening program will begin with the lecture-demonstration, and will conclude with an informal reception. At this time the group will have the opportunity of viewing the exhibit, "North Carolina Printmakers," in which Miss Thrush is one of the exhibitors.

Helen Thrush studied at the Pennsylvania Museum and School of Industrial Art, taking her B.F.A. at the University of Pennsylvania, and her M.A. at Pennsylvania Academy of Fine Arts. Her study of Graphics includes the Fountainebleau School of Fine

Arts, France, the Art Students League, New York, Hayter's Atelier 17, and Pratt-Contemporaries, Graphic Art Center.

Listed in Who's Who of American Women, Miss Thrush has been the winner of many awards and has exhibited widely in National and International Exhibitions, including The Pennsylvania Academy of Fine Arts, the University of Minnesota, the Brooklyn Museum, the Print Club of Albany, the Society of American Graphic Arts and the American Federation of Arts.

#### U. S. UNICEF DIRECTOR LECTURE

The Duke student chapter of the United Nations will hold an open seminar on Thursday, October 24th, in Room 201 Flowers Building at 3:45 p.m. to hear C. Lloyd Bailey, Executive Director of the U. S. Committee of UNICEF. Mr. Bailey's duties take him to 35 countries and he brings a wealth of information in regard to the distribution of food and clothing to the world's needy children. He will also discuss the work of fund raising for this organization. The meeting is open to all interested persons.

#### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. T. G. Rajagopalan for the Ph.D. degree in Biochemistry will be held on Thursday, October 24th at 1:30 p.m. in Room 1535, Gerontology Building. The subject of Mr. Rajagopalan's dissertation is "Studies on Bovine Fructose-diphosphatase." The committee to conduct the examination consists of Professors William L. Byrne, Philip Handler, Robert L. Hill, Kenneth S. McCarty and Charles K. Bradsher. Professor Byrne will preside.

#### INTERNATIONAL RELATIONS LECTURE

The Committee on International Relations is pleased to announce the visit of the noted economist and journalist Mr. Derek Prag to the Campus on October 24th. Mr. Prag is a former correspondent and editor for Reuters News Agency in London, Brussels, and Madrid, specializing in international and European organizations, a member of the Information Service of the European Coal and Steel Community, Luxembourg, since 1955 an official of the European Communities (Common Market, Coal and Steel Community, Euratom), and since 1960 Chief of Publications, Press and Information Service of the European Communities. He will speak on the topic: "European Unity and Atlantic Partnership. Where From Here?" The lecture will take place on Thursday, October 24th at 2:15 p.m. in the Courtroom (Room 211) of the Law School. The University Community is cordially invited to attend.

Following the lecture and discussion, and by arrangement with the International Law Society of the Duke Law School, Mr. Prag will be available in the

Conference Room of the Law School (Room 220) from 4:00-5:30 p.m. for further informal discussion with interested faculty and students. Refreshments will be served during the course of this session.

#### MEETING OF THE UNIVERSITY FACULTY

The University Faculty will meet in Page Auditorium on Thursday, October 24, at 4:00 p.m. The agenda will include a report from President Knight.

#### PHYSIOLOGY SEMINAR

The Department of Physiology will hold a seminar on Thursday, October 24th, at 4:00 p.m. in Room M-204 Medical Center. Dr. Walter Bonner, Department of Biophysics and Physical Biochemistry, University of Pennsylvania, will be the speaker.

#### PSYCHIATRIC LECTURE

The Duke Psychiatric Residents' Group will present guest lecturer, Dr. Walter Bonime, on Friday and Saturday, October 25th and 26th. Dr. Bonime will speak on "Clinical Approaches to Dreams Part I" on Friday at 8:00 p.m. in Room 2031 Duke Hospital, and on Saturday at 10:00 a.m., in Room D 3008 VA Hospital, he will continue with "Clinical Approaches to Dreams Part II."

#### DUKE PLAYERS PRESENT "THE PLEASURE OF HIS COMPANY"

Duke Players will present a comedy from the 1958-59 Broadway season, "The Pleasure of His Company," by Samuel Taylor, which starred Cornelia Otis Skinner. Kenneth Reardon is directing the Players' production with Victor Michalak as technical director. Performances will be on Friday and Saturday, October 25th and 26th in Page Auditorium at 8:15 p.m. Page Box Office will be open for reservations and ticket sales beginning Monday, October 21st. Box office hours will be Monday and Wednesday from 2:00 to 5:00 p.m., Tuesday and Thursday from 3:30 to 5:00 p.m., and Friday and Saturday from 2:00 p.m. until curtain time. Tickets are priced at \$1.25. For reservations call Extension 2911.

This bright and sparkling comedy tells the story of a world traveler and sportsman who returns to America to give his daughter, whom he has not seen in years, in marriage. He all but takes over the home of his first wife, Kate, utterly charms his long-lost daughter Jessica, and succeeds in making Jessica's young man, Roger, feel like a boor in contrast. The conflict which results makes for an unusual comic situation and laugh-provoking dialogue.

#### ARCHIVE SUBSCRIPTIONS

The **Archive**, Duke's literary magazine, is now offering subscription rates of \$1.50 a year (four issues) to anyone who wishes to subscribe. Please send requests to The **Archive**, Box 4665, Duke Station. All checks should be made payable to The **Archive**.



## FACULTY-STAFF GOLF TOURNAMENT

A Faculty-Staff Golf Tournament, sponsored by the Faculty Club of the University, will be held between October 19 and November 10 and played on the Duke course. The Tournament will be 54-hole (three 18-hole rounds) medal play. The first round of play is the flight qualifying round and must be completed by October 25. The entry fee is \$3.00. There will be prizes for winners in all the flights.

All members of the faculty and staff are invited to participate. Interested persons who desire additional information may call Coach Hagler at the golf course, 2817, or see one of the committee members listed below. Persons who plan to enter may do so at the golf club house.

Members of the arrangements committee: David Davies, Charles H. Frenzel, Coach E. P. Hagler, Paul Meyer, Ransom R. Patrick, and J. H. Phillips, Chairman.

## CALENDAR CHANGE

The first program in the Music Department Faculty Series, a recital by Ronald Fishbaugh, pianist, originally scheduled for Tuesday evening, October 22nd, has been postponed to a date to be announced later in the year.

## ART EXHIBITIONS

The Student Union and the Department of Art announce two new exhibits now ready for viewing in the two art areas on Campus. In the Gallery of the Woman's College Library the exhibit, "Sculptors' Drawings" from The Joseph H. Hirshhorn Collection, on loan from The American Federation of

Arts, may be seen. In the Lounge of the West Union Building the exhibit titled, "North Carolina Printmakers," on loan from the North Carolina Museum of Art, may be seen.

"Sculptor's Drawings" was assembled by Joseph H. Hirshhorn as an adjunct to his collection of sculpture and called by Curator Abram Lerner "a graphic extension of the sculptor's vision."

"North Carolina's Printmakers" includes thirty recent prints by contemporary North Carolina printmakers.

## 1963-64 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates. The 1963-64 Series is as follows:

### THE GOLDOVSKY GRAND OPERA THEATER

Puccini's "Tosca" Tuesday, December 3

### BACH ARIA GROUP Tuesday, February 4

William H. Scheide, Director

Eileen Farrell, Soprano	Julius Baker, Flute
Jan Peerce, Tenor	Robert Bloom, Oboe
Carol Smith, Alto	Bernard Greenhouse, Cello
Norman Farrow, Bass-baritone	Maurice Wilk, Violin
Paul Ulanowsky, Piano	

PRESTI AND LAGOYA, Guitar-Duo Tuesday, March 10

PITTSBURGH SYMPHONY ORCHESTRA Friday, March 20  
William Steinberg, Music Director

JOHN BROWNING, Pianist Friday, April 17

## OFF-THE-SERIES ATTRACTION 1963-64

Tuesday, November 19

The Regimental Band and Massed Pipers of the BLACK WATCH (Royal Highland Regiment) with Highland Dancers from the Edinburgh Festival.

WEEK OF  
Oct. 27-Nov. 2, 1963

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Oct. 27-Nov. 2, 1963

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, October 27

Denominational Meetings. See special notice.

- 10:30-10:45 a.m. Carillon Recital. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: Dr. Chester A. Pennington, Minister, Hennepin Avenue Methodist Church, Minneapolis, Minnesota. Sermon: "The Truth Which Makes You Free." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, October 28

- 2:00 p.m. Registration. Christian Convocation, North Carolina Pastors' School, and the James A. Gray Lectures. Flowers Building Lounge. (See special notice.)
- 4:15 p.m. Zoology Seminar. Auditorium of the Biological Sciences Building. Speaker: Sir Stanton Hicks.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30-6:30 p.m. Faculty and graduate students volleyball. Indoor Stadium.

### Tuesday, October 29

- 12:30-1:30 p.m. Faculty and graduate students volleyball. Indoor Stadium.
- 2:00 p.m. Africa: Public Lecture. Room 109 Carr Building. Speaker: Dr. C. W. Newbury.

- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:15 p.m. Duke Madrigal Singers' Fall Concert. Music Room, East Duke Building.

### Wednesday, October 30

- 3:30 p.m. Psychology Colloquium. Auditorium of Building 9. Speakers: Professor Donald K. Adams, Department of Psychology and Professor Emeritus Robert H. Thouless, Cambridge University, England.
- 4:15 p.m. Botany Seminar. Room 111 Biological Sciences Building. Speaker: Dr. Ralph Slatyer.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "The Island" (Japanese). "A masterpiece!"—*The New Yorker*. "Full of visual wonders!"—*Life Magazine*. "One of the most extraordinary films I can recall!"—Zunser, *Cue Magazine*. In Cinemascope.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



8:00 p.m. Chemistry Staff Seminar. Room 116 Chemistry Building. Speaker: Dr. Henry Eyring.

## Thursday, October 31

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Richard E. Princee.
- 12:30 p.m. Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Dr. Ralph Slatyer.
- 12:30-1:30 p.m. Faculty and graduate students volleyball. Indoor Stadium.
- 4:00 p.m. Physiology Seminar. Room M-204 Medical Center. Speaker: Dr. William P. Wilson.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:00 p.m. Faculty and graduate students volleyball. Indoor Stadium.
- 7:00 p.m. Slide Rule Lecture. Room 125 Engineering Building.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. S. U. Young Artists Series: The Alvin Ailey Dance Theater. Page Auditorium.

## Friday, November 1

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Harmon L. Smith and Mr. Hollis R. Williams, Jr.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:00 p.m. Joint Duke-UNC Philosophy Colloquium. Room 213 Caldwell Hall, Chapel Hill, N. C. Speaker: Professor Colin M. Turbayne.

## Saturday, November 2

- 9:00 a.m.-5:00 p.m. North Carolina Association of High School Future Teacher Clubs. Page Auditorium.
- 2:00 p.m. Varsity Football: Duke versus Georgia Tech. Atlanta, Ga.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "The Island" (Japanese). "A masterpiece!"—*The New Yorker*. "Full of visual wonders!"—*Life Magazine*. "One of the most extraordinary films I can recall!"—*Zunser, Cue Magazine*. In Cinemascope.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Friday, 6:15 P.M., Baptist Student Center, Supper followed by worship and forum: "The College Student and Basic Moral Decisions." **November 1-3**, Greensboro, N. C., North Carolina Baptist Student Union Convention. Speakers will be Dr. Howard Moody, Pastor of Judson Memorial Church of Greenwich Village in New York, and Dr. William Hull, Professor of New Testament at Southern Baptist Seminary. The theme is "Freedom Through Bondage." The cost is \$2.00, plus cost of two meals. Register at the Baptist Student Center.

**EPISCOPAL UNIVERSITY CENTER:** Sunday, 9:30 A.M., Chapel of St. Michael, Holy Communion; 7:00 P.M., Film Forum at the Presbyterian Student Center, "Cry the Beloved Country." **Monday**, 7:10 A.M. and 5:30 P.M., Holy Communion (Feast of SS. Simon and Jude); 7:00 P.M., Center, Evenings of Dialogue: "A Preview of Symposium"; leaders—Bill Nichols and Mariann Sanders. **Wednesday**, 7:10 A.M. and 5:30 P.M., Center, Holy Communion. **Friday**, 7:10 A.M. and 5:30 P.M., Center, Holy Communion (All Saints Day); 6:30 P.M., Center, All Saints Day Dinner. All members of the University Community are invited; 4:00 P.M., Seminar on "Christianity and Modern Man."

**LUTHERAN STUDENT ASSOCIATION:** Sunday, 4:00 P.M., Duke Memorial Chapel, Installation Service for the Reverend William R. Patton, Chaplain to Lutheran Students at Duke University—to be followed by a dutch-treat supper in the Italian Room.

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Freshman Forum (snack breakfast and discussion); discussion leader—Dr. W. D. White; 6:00 P.M., Center, Evening Prayer; 4:00 P.M., Center, The full council of the Center will meet; 7:00 P.M., Presbyterian Student Center, Film Forum, sponsored by the various Campus Christian Centers, "Cry the Beloved Country," coffee and discussion will follow. **Tuesday**, 7:00 P.M., Center, Seminar: "The Meaning of Freedom." **Wednesday**, 7:00 A.M., East Duke Chapel, Holy Communion. **Thursday**, 9:00 P.M., Graduate Center, Seminar: "Contemporary Criticisms of Christianity."

**WESTMINSTER FELLOWSHIP:** Sunday, 6:15 P.M., Center, Vespers; 7:00 P.M., Center, Film Forum: "Cry the Beloved Country"—Discussion moderated by Dr. Waldo Beach after the showing of film.

**YWCA:** Thursday, 8:00 P.M., East Duke Music Room, YWCA Open Forum Series. Mr. Floyd McKissick, National Chairman of CORE will speak on "A United House."

**UNITED STUDENT FELLOWSHIP:** Sunday, 5:30 P.M., Meet at the home of Dr. and Mrs. Hans Hillerbrand, 2729 Sevier Street. After supper and a short business meeting the group will go to the Presbyterian Student Center for the Film Forum. Transportation will leave from the Chapel, East Campus circle and Hanes House at 5:15 P.M.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Chester A. Pennington, Minister, Hennepin Avenue Methodist Church, Minneapolis, Minnesota, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, October 27th in the University Chapel. His subject will be, "The Truth Which Makes You Free." The order of worship follows:

Presiding Minister: The Reverend Professor James T. Cleland, Dean of the Chapel.

Lector: Miss Nanci Weldon, President, Methodist Student Fellowship.

Opening Organ Voluntary—Concerto No. 1 in G major

Allegro, Adagio, Allegro

*J. S. Bach*

Choral Adoration—"The Lord Is in His Holy Temple"

*Calvin W. Laufer*

Hymn—"Fairest Lord Jesus" From *Schlesischen Volkslieder*  
Arr. by *Richard S. Willis*

The Prayer of Adoration

The Lord's Prayer

Anthem—"Let My Prayer Come Up"

*Henry Purcell*

Scripture Lesson—John 1:1-18

Hymn—"Make Me A Captive Lord"

*George W. Martin*

Arr. by *Arthur S. Sullivan*

Call to Prayer

The Pastoral Prayer of Confession, Thanksgiving, Intercession, Petition, and Dedication

The Offering

Offertory Organ Interlude

Anthem—"The Last Words of David"

*Randall Thompson*

Response—The Doxology

Prayer of Dedication

Sermon—"The Truth Which Makes You Free"

Prayer

Benediction

Choral Response—"Dresden Amen"

*Dresden*

The Chimes

Closing Organ Voluntary—Toccata

*Gigout*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, November 3rd, is the Reverend Dr. Robert W. Spike, of New York City.

## CHRISTIAN CONVOCATION NORTH CAROLINA PASTORS' SCHOOL JAMES A. GRAY LECTURES

The Christian Convocation and North Carolina Pastors' School together with the James A. Gray Lectures will be held on the campus from Monday, October 28 through Wednesday, October 30.

The James A. Gray Lecturer this year will be Dr. Joseph Sittler, Professor of Systematic Theology at the University of Chicago. The general theme is **Reflections on Nature and Grace**. The Convocation Preacher is Dr. Chester A. Pennington, Senior Minister to Hennepin Avenue Methodist Church, Minneapolis, whose sermons will deal with the topic: **Can the Church Be Renewed?**

Pastors' School Lecturer on Revision of the Hymnal and Ritual is Bishop Nolan B. Harmon of the Western North Carolina and North Alabama Methodist Conferences. Pastors' School Lecturer on Ecumenical Christianity is Bishop Fred Pierce Corson of the Philadelphia Area of the Methodist Church.

The Alumni Lecturer is Dr. A. Purnell Bailey,

Superintendent of the Richmond District of The Methodist Church.

## SCHEDULE

Monday, October 28

2:00 p.m.—Registration. Flowers Building Lounge.

4:00 p.m.—Pastors' School Lecture on the Revision of the Hymnal and Ritual. "Conscience Murmuring Faiths Under Forms." Bishop Harmon. Page Auditorium.

5:30 p.m.—Dinner for Speakers, Staff, and Board of Managers. Old Trinity Room.

7:15 p.m.—First Gray Lecture. "The Traditional Setting of the Doctrine." Dr. Sittler. Page Auditorium.

8:30 p.m.—First Convocation Sermon. "The Courage to Accept God's Gift." Dr. Pennington. University Chapel.

9:30 p.m.—Late Registration. Flowers Building Lounge. Reception for Alumni and Friends. Flowers Building Lounge.

Tuesday, October 29

8:00 a.m.—Holy Communion. Bishop Harmon, Celebrant. York Chapel.

9:00 a.m.—First Pastors' School Lecture on Ecumenical Christianity. "Ecumenicity and the Second Vatican Council." Bishop Corson. Page Auditorium.

10:10 a.m.—Second Gray Lecture. "Two New Facts and Their Demand Upon the Doctrine." Dr. Sittler. A discussion period will follow. Page Auditorium.

12:00 noon—Alumni Lecture. Dr. Bailey. Page Auditorium.

1:00 p.m.—Alumni Association Luncheon. The Reverend Paul Carruth, President. Union Ballroom.

3:00 to 4:00 p.m.—Tea for Ministers' Wives. Faculty Lounge, Union Building.

4:00 p.m.—Second Pastors' School Lecture on Ecumenical Christianity. "Ecumenicity and the World Confessional Bodies." Bishop Corson. Page Auditorium.

7:15 p.m.—Third Gray Lecture. "The Doctrine in the Scope of the Biblical Witness to Christ." Dr. Sittler. Page Auditorium.

8:30 p.m.—Second Convocation Sermon. "Going on to Perfection." Dr. Pennington. University Chapel.

Wednesday, October 30

8:00 a.m.—Holy Communion. Prof. W. Arthur Kale, Celebrant. York Chapel.

9:00 a.m.—Fourth Gray Lecture. "The Substance of Contemporary Reflection About the Doctrine." Dr. Sittler. A discussion period will follow. Page Auditorium.

11:00 a.m.—Third Convocation Sermon. "The Community of the Spirit." Dr. Pennington. University Chapel.

12:15 p.m.—Luncheon Meeting. Board of Managers of the North Carolina Pastors' School. Old Trinity Room.

## ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, October 28th at 4:15 p.m. in the Auditorium of the Biological Sciences Building. Sir Stanton Hicks, University of Adelaide, Adelaide, Australia will speak on "Climatic Adaptation and Drug Habituation of the Australian Aborigine." Coffee and tea will be served in the foyer at 4:00 p.m.

## RADIOLOGICAL MONITORING COURSE

A three and one half hour Radiological Monitoring Course will be held on Monday, October 28th through Thursday, October 31st. The purpose of the course is to train persons in the operation and use of those radiological instruments which have been placed in public fallout shelters under the National Shelter



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Stocking Program. The course is being presented under the auspices of the Duke University Fallout Preparedness Committee and is open to all members of the University Community. Interested persons may obtain a schedule and registration blank by calling Extension 2194.

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### **DUKE MADRIGAL SINGERS' FALL CONCERT**

On Tuesday evening, October 29th at 8:15 p.m. in the Music Room of East Duke Building, the Music Department will present the Duke Madrigal Singers in their annual fall concert. Singing English and Spanish music from the Renaissance and a German Missa Brevis from the Baroque period, the Madrigal Singers are pleased also to present Marjorie Randolph, self-accompanied singer and student of John Hanks of the Music Department, in a special group of songs with the guitar. The Duke Recorders Group assisted by other instrumentalists will also participate in the program. Directed by Eugenia Saville of the Music Department, the program is free and the public is cordially invited.

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### **BOTANY SEMINAR**

The Botany Seminar will be held on Wednesday, October 30th at 4:15 p.m. in Room 111 Biological Sciences Building (Auditorium) West Campus. Dr. Ralph Slatyer will speak on "Plant Science in Australia."

Dr. Slatyer is a Principal Research Officer with the CSIRO Division of Land Research, Canberra, Australia. He has broad research interests but has concentrated particularly on the energy and water relationships of plants and plant communities. He is at present at Duke on a NSF Senior Foreign Scientist Fellowship.

Refreshments will be served in the foyer at 4:00 p.m.

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### **CHEMISTRY STAFF SEMINAR**

Dr. Henry Eyring, President of the American Chemical Society and Dean of the Graduate School of the University of Utah, will speak at the Chemistry Staff Seminar on Wednesday, October 30th at 8:00 p.m. in Room 116 Chemistry Building. The subject of Dr. Eyring's address will be "Some Recent Developments in the Theory of Liquids." All interested persons are cordially invited to attend.

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### **ECOLOGY SEMINAR**

The Ecology Seminar will meet on Thursday, October 31st at 12:30 p.m. in Room 144 Biological Sciences Building. The topic of discussion will be

"Ecological Land Survey" featuring a film introduced by Dr. R. O. Slatyer, visiting professor of plant physiology. All interested persons are cordially invited to attend.

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### **PHYSIOLOGY SEMINAR**

The Department of Physiology will hold a seminar on Thursday, October 31st at 4:00 p.m. in Room M-204 Medical Center. Dr. William P. Wilson of the Medical School, will speak on "Physiologic Basis of Electroencephalography."

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### **PSYCHOLOGY COLLOQUIUM**

The Psychology Colloquium will meet on Wednesday, October 30th at 3:30 p.m. in the auditorium of Building 9. The speakers, Professor Donald K. Adams, Department of Psychology and Professor Emeritus Robert H. Thouless, Cambridge University, England, will speak on the subject; William MacDongall.

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### **JOINT DUKE-UNC PHILOSOPHY COLLOQUIUM**

Professor Colin M. Turbayne, University of Rochester, will speak on "Books in Running Brooks" on Friday, November 1st at 8:00 p.m. in 213 Caldwell Hall, Chapel Hill. All interested members of the University Community are invited.

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### **NORTH CAROLINA HIGH SCHOOL FUTURE TEACHER CLUBS**

The annual meeting of the North Carolina Association of High School Future Teacher Clubs will be held on Saturday, November 2nd from 9:00 a.m. to 5:00 p.m. in Page Auditorium. The group will be welcomed by Dean M. Margaret Ball of the Woman's College.

Appearing on the program will be Dr. Wilda Faust, National FTA Consultant from Washington, D. C.; Dr. Frank Fuller, President of the North Carolina Education Association; Dr. A. C. Dawson, executive-secretary of the NCEA; Clifton Edwards, Department of Public Instruction; Miss Mary Soyars, Woman's College of the University of North Carolina; and William B. Brinkley, Director of Admissions, Duke University. Eugene Jenkins, President of the Association, will preside. The meeting is being arranged by Mrs. Phebe Emmons, Field Consultant.

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### **PRO AMOR LIBRIS**

Provided that a modest number of undergraduates, graduate students and faculty members express their

interest in such a venture, it is proposed a Society of Book Collectors and Book Lovers under the name Pro Amor Libris be founded. The object of the Society would be to foster and nourish all aspects of book collecting and the enjoyment of books. The Society would meet every two months and would be a common meeting ground for all on the Campus who collect books or plan to collect books. Membership would be gratis. The proposed Society has received the blessing of the Librarian and of several faculty members. All interested persons may speak with Mr. Jeremy North of the Gothic Bookshop. If a score or more individuals indicate their interest then Pro Amor Libris will be founded.

### ALVIN AILEY DANCE THEATER

The Student Union Young Artists Series will present **The Alvin Ailey Dance Theater** on Thursday, October 31st at 8:15 p.m. in Page Auditorium. Tickets will be available at Page Box Office from 2:00 to 5:00 p.m., Monday, October 28th to Thursday, October 31st. Tickets will be priced at \$1.50 general admission, \$1.00 Duke undergraduates, and \$.50 for children under 12 years of age.

Mr. Ailey's group has an immediate and vital appeal to people of all ages everywhere. Instrumental music, song and acting technique are combined to express various dramatic themes or moods. It is dance in this idiom of jazz, Latin, "blues," Negro spirituals and folk materials that "makes not merely an impact; it creates a veritable explosion!"

Alvin Ailey, recently returned from touring the far east under the President's Special Intercultural Exchange, was hailed as the "freshest and most imaginative choreographer on the scene today." He demonstrates the beautiful art of story-telling in dance. Wherever the Alvin Ailey Dance Theater performed, and whatever the suite, their themes, moods and movements transcended all cultural barriers. The audiences "saw the gaiety, felt the pain, witnessed the defiance, enjoyed the laughter and revelled in the triumph."

The program is as follows:

#### I. THREE FOR NOW

A modern jazz suite of three dances investigating the inter-relationship between three modern jazz scores and the American contemporary dance idiom.

#### II. THE BLUES ROLL ON

From the fields, levees, barrelhouses of the Southern Negro sprang the Blues . . . songs of longing, lost-love, anger, desolation, social discontent—hymns to the secular regions of his soul.

#### III. REVELATIONS

This suite explores motivations and emotions of Negro religious music, which, like its heir the blues, takes many forms—true spirituals with their sustained melodies, song-sermons, gospel songs and holy-blues . . . songs of trouble, of love, of deliverance.

### UNITED FUND CAMPAIGN

Duke University's share in the total goal of the United Fund of Durham and Durham County is reasonably set at \$40,000. At the United Fund reporting session on last Tuesday, it was reported that Duke University had pledged a total amount of \$28,216.98.

It is hoped that we will reach our goal by Monday, October 28th. If you have not returned your signed pledge card, please do so now. Return it to the person who gave it to you or to Professor Earl I. Brown, Room 121 Engineering Building.

### ARCHIVE SUBSCRIPTIONS

The **Archive**, Duke's literary magazine, is now offering subscription rates of \$1.50 a year (four issues) to anyone who wishes to subscribe. Please send requests to The **Archive**, Box 4665, Duke Station. All checks should be made payable to The **Archive**.

### 1963-64 ARTISTS SERIES

Season tickets priced at \$8.00, and \$9.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates. The 1963-64 Series is as follows:

#### THE GOLDOVSKY GRAND OPERA THEATER

Puccini's "Tosca" Tuesday, December 3

#### BACH ARIA GROUP Tuesday, February 4

William H. Scheide, Director

Eileen Farrell, Soprano	Julius Baker, Flute
Jan Peerce, Tenor	Robert Bloom, Oboe
Carol Smith, Alto	Bernard Greenhouse, Cello
Norman Farrow, Bass-baritone	Maurice Wilk, Violin
Paul Ulanowsky, Piano	

#### PRESTI AND LAGOYA, Guitar-Duo Tuesday, March 10

#### PITTSBURGH SYMPHONY ORCHESTRA Friday, March 20

William Steinberg, Music Director

#### JOHN BROWNING, Pianist Friday, April 17

### OFF-THE-SERIES ATTRACTION 1963-64

Tuesday, November 19

The Regimental Band and Massed Pipers of the BLACK WATCH (Royal Highland Regiment) with Highland Dancers from the Edinburgh Festival.

### ADVANCE NOTICE ERASMUS CLUB

The Erasmus Club will hold its next meeting on Monday, November 4th at 8:00 p.m. in the Green Room of East Duke Building. Hans Hillerbrand, Assistant Professor of Modern European Christianity, Divinity School, will speak on "The Physiognomy of Religious Radicalism: Typological Reflections Illustrated by George Fox." The public is cordially invited to attend.





WEEK OF

Nov. 3-9, 1963

WEEK OF

Nov. 3-9, 1963

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, November 3

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: Dr. Robert W. Spike, National Council of the Churches of Christ in the U.S.A. Broadcast over Radio Station WDNC and WDNC-FM.
- 7:00 p.m. Film Forum: "Forbidden Games." Presbyterian Student Center on Alexander Street.

### Monday, November 4

- 4:15 p.m. Zoology Seminar. Speaker: Dr. Malcolm S. Steinberg. Auditorium of Biological Sciences Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30-6:30 p.m. Faculty and graduate students volleyball. Indoor Stadium.
- 8:00 p.m. Erasmus Club Meeting. Speaker: Professor Hans Hillerbrand. Green Room East Duke Building.
- 8:15 p.m. CORE Meeting. Room 208 Flowers Building.
- 8:15 p.m. Parapsychology Lecture. Speaker: Dr. Robert H. Thouless. Auditorium of Biological Sciences Building.

### Tuesday, November 5

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Creighton Lacy.
- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.
- 3:30 p.m. Music Department Panel Discussion. "Words and Music." Music Room East Duke Building.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:00 p.m. Mathematics Seminar. Speaker: Dr. Lowell A. Hinrichs. Room 124 Physics Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00 p.m. Gerontology Seminar. Speaker: Dr. Peter Townsend. Room 208 Flowers Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 6:00 p.m. Education Dinner and Lecture. Speaker: Professor W. H. Cartwright. Woman's College Union Dining Room.
- 7:00 p.m. S. U. Away Football Movies. Page Auditorium.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:15 p.m. John Duke Lecture-Recital. Music Room East Duke Building.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



## Wednesday, November 6

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Creighton Lacy.
- 12:30 p.m. Faculty Club Luncheon Meeting. Union Ballroom West Campus. Speaker: Dean James L. Meriam.
- 2:15 p.m. Joint Duke-UNC Physics Colloquium. Speaker: Dr. Walter Marshall. Room 114 Physics Building.
- 4:15 p.m. Botany Seminar. Speaker: Dr. Jan Kohlmeyer. Room 111 Biological Sciences Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Antigone" (Greek). "A memorable and rewarding experience."—Cook, N. Y. World Telegram. "Director Tzavellas has brought forth the surging emotions with fluid staging and fine photography. He proves that its power and anguish can affect audiences today. Striking and beautiful."—Alpert, Saturday Review.
- 7:30 p.m. American Institute of Electrical Engineers Meeting. Speaker: Dr. W. R. Hudson. Room 1548 Clinical Research Building.

## Thursday, November 7

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Robert M. Van Hook, II.
- 12:30-1:30 p.m. Faculty and graduate students volleyball. Indoor Stadium.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:00 p.m. Faculty and graduate students volleyball. Indoor Stadium.
- 7:30 p.m. Forest Wildlife Lecture. Speaker: Dr. Warren W. Chase. Room 111 Biological Sciences Building.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, November 8

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Creighton Lacy and Mr. Hugh H. Cameron.
- 3:30 p.m. Forest Wildlife Lecture. Speaker: Dr. Warren W. Chase. Room 205 Biological Sciences Building.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.

- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:00 p.m. Joint Duke-UNC Philosophy Colloquium. Speaker: Professor Ronald J. Butler. 213 Caldwell Hall, Chapel Hill.
- 8:15 p.m. Student Union presents: Max Morath in Ragtime Revisited. Page Auditorium.

## Saturday, November 9

- 2:00 p.m. Varsity Football: Duke versus Wake Forest. Stadium.
- 4:00-6:00 p.m. S. U. Open House. Union Ballroom.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Antigone" (Greek). "A memorable and rewarding experience."—Cook, N. Y. World Telegram. "Director Tzavellas has brought forth the surging emotions with fluid staging and fine photography. He proves that its power and anguish can affect audiences today. Striking and beautiful."—Alpert, Saturday Review.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Friday, Center, 6:15 P.M., Supper, followed by worship and seminars.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL UNIVERSITY CENTER:** Sunday, 9:30 A.M., Center, Holy Communion; 6:15 P.M., Evensong; 7:00 P.M., Film Forum (Presbyterian Center). Monday, 7:00 P.M., Center, Evenings of Dialogue—Dr. Herman Salinger will give a reading from his recently published volume of poetry. All members of the University community are invited. Wednesday, 7:10 A.M. and 5:30 P.M., Center, Holy Communion. Friday, 3:15 P.M., Center, Seminar on Orthodoxy.

**LUTHERAN STUDENT ASSOCIATION:** Sunday, 6:30 P.M., Green Room, East Duke Building, A discussion on: "My Sex Life—A Religious Issue? A Moral Issue? A Social Issue?" Discussion Leader, Bill Patton, Lutheran Chaplain. Thursday, 7:15 A.M., East Duke Chapel, Communion Service.

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Freshman Forum; 6:00 P.M., Center, Holy Communion. Tuesday, 7:30 P.M., Center, Seminar—"The Meaning of Freedom." Thursday, 9:00 P.M., Dining Room C of the Men's Graduate Center, Graduate Study Group.

**UNITED STUDENT FELLOWSHIP:** Sunday, 6:00 P.M., The USF will meet at the home of Dr. and Mrs. Donald Fluke, 2703 Sevier Street. After supper and a short business meeting the group will go to the Presbyterian Student Center for the Film Forum.

Transportation will leave the Chapel, East Campus circle and Hanes House at 5:45 P.M.

**WESTMINSTER HOUSE:** Sunday, 6:15 P.M., Vespers; 7:00 P.M., Film Forum, followed by discussion and coffee.

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### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Robert W. Spike, Executive Director, Commission on Religion and Race, National Council of the Churches of Christ in the U.S.A., will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, November 3rd, in the University Chapel.

The order of worship follows:

Presiding Minister: The Reverend A. Jack Wilson, III, Associate Director of Religious Activities.

Lector: The Reverend Jack W. Carroll, Chaplain to Methodist Students

Opening Organ Voluntary—Andante from Concerto I *Handel*  
Two Chorale Preludes *Brahms*

Choral Call to Worship—"The Lord Is in His Holy Temple"  
*Calvin W. Laufer*

Hymn—"All Hail the Power of Jesus' Name!" *Oliver Holden*  
The Prayer of Adoration

The Lord's Prayer  
Anthem—"Master, Show Thy Mercy Unto Us!" *Hans Leo Hassler*

Scripture Lesson

Hymn—"Rise Up, O Men of God!" *Robert G. McCutchan*  
Call to Prayer

The Pastoral Prayer of Confession, Thanksgiving, Intercession, Petition and Dedication.

The Offering

Offertory Organ Interlude

Anthem—"His Yoke Is Easy, and His Burthen Is Light"  
from *The Messiah* *George Handel*

Response—The Doxology

Prayer of Dedication

Sermon

Prayer

Benediction

Choral Response—"Dresden Amen" *Dresden*

The Chimes

Closing Organ Voluntary—Fugue in G minor *Bach*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, November 10th, is The Reverend Professor James T. Cleland, Dean of the Chapel.

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### FILM FORUM

The Film Forum, sponsored by the Campus Christian Centers, will present "Forbidden Games" at 7:00 p.m. on Sunday, November 3rd, in the Presbyterian Student Center on Alexander Street. This is an open meeting with coffee and discussion following the film.

"Forbidden Games," a French film which won the grand prize at the Venice Film Festival and the New York Film Critics Award raises the question—What is the nature of war when viewed through the eyes of children who have not learned to understand or accept the adults' rationalizations?

### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, November 4th, at 4:15 p.m. in the Auditorium of the Biological Sciences Building. Dr. Malcolm S. Steinberg, Assistant Professor, Johns Hopkins University will speak on "Tissue Reconstruction by Dissociated Cells: Its Relation to Morphogenetic Mechanisms." Coffee and tea will be served in the foyer at 4:00 p.m.

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### ERASMUS CLUB

The Erasmus Club will hold its next meeting on Monday, November 4th at 8:00 p.m. in the Green Room of East Duke Building. Hans Hillerbrand, Assistant Professor of Modern European Christianity, Divinity School, will speak on "The Physiognomy of Religious Radicalism: Typological Reflections Illustrated by George Fox." The public is cordially invited to attend.

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### CORE MEETING

The organizational group of CORE will meet on Monday, November 4th at 8:15 p.m. in Room 208 Flowers Building. Committee reports will be given and discussed. Plans for the coming year will be made and new committees will be organized.

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### PARAPSYCHOLOGY LECTURE

Dr. Robert H. Thouless, Reader Emeritus of Cambridge University, England, will speak on "The Parapsychologist's Difficulties About Parapsychology" on Monday, November 4th at 8:15 p.m. in the Auditorium of the Biological Sciences Building. The public is cordially invited to attend.

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### JOHN DUKE LECTURE-RECITAL PANEL DISCUSSION

Mr. John Duke, eminent American song composer and pianist, and member of the faculty of Smith College since 1923—currently Henry Dyke Sleeper Professor of Music—will be on Campus under the auspices of the Department of Music on Tuesday, November 5th. The first event of Mr. Duke's visit will be his role as guest participant in a panel discussion "Words and Music," at 3:30 p.m. in the Music Room East Duke Building. Other members of the panel will be Dr. Bernard Duffey, writer and specialist in American poetry and a member of the English Department; Mr. Iain Hamilton, composer and Mary Duke Biddle Professor of Music. Mrs. Ruth Friedberg of the Department of Music will serve as moderator.

A lecture-recital consisting of songs composed by Mr. Duke will be presented that evening at 8:15 p.m. in the Music Room East Duke Building. Mr. Duke will act as lecturer and piano accompanist and will be



assisted by the following singers: Miss Claudia Bray, now a graduate student at Smith, was a graduate of Duke University and a former student of Professor John Hanks; Dr. Joel Carter, bass-baritone and member of the Department of Music at the University of North Carolina; and Mr. John Hanks, tenor, of the Music Department.

An informal reception will follow in the East Duke Parlors. All members of the University Community and general public are cordially invited to attend both functions.

The songs to be performed are as follows:

#### I

In the Fields	(Charlotte Mew)
The End of the World	(Archibald MacLeish)
Luke Havergal	(E. A. Robinson)
Richard Cory	(E. A. Robinson)
Miniver Cheevy	(E. A. Robinson)
Twentieth Century	(Robert Hillyer)

Mr. Carter

#### II

Bells in the Rain	(Elinor Wylie)
My soul is an enchanted boat	(Percy Bysshe Shelley)
I Carry Your Heart	(e. e. cummings)
Wild Swans	(Edna St. Vincent Millay)
Rapunzel	(Adelaide Crapsey)
Evening	(Frederic Prokosch)

Miss Bray

Intermission

#### III

Loveliest of Trees	(A. E. Housman)
Reveille	(A. E. Housman)
Oh, it was out by Donnyearney	(James Joyce)
Viennese Waltz	(Elinor Wylie)
Only for me	(Mark van Doren)
Credo	(E. A. Robinson)

Mr. Hanks

### MATHEMATICS SEMINAR

The Mathematics Department will hold a seminar on Tuesday, November 5th at 4:00 p.m. in Room 114 Physics Building. Dr. Lowell A. Hinrichs will speak on "Unusual Topologies on the Integers." Coffee will be served at 3:30 p.m. in Room 124 Physics Building.

### GERONTOLOGY SEMINAR

The Council on Gerontology will hold a seminar on Tuesday, November 5th at 5:00 p.m. in Room 208 Flowers Building. Dr. Peter Townsend, Lecturer in Social Administration, London School of Economics and Political Science, Professor of Sociology, University of Essex will speak on "Family Relationships of the Aged in the United States, Denmark and Britain." All interested persons are invited to attend.

### EDUCATION LECTURE

Kappa Delta Pi, education honorary, will sponsor a lecture given by Professor W. H. Cartwright, a member of the Conant team that studied the education of American teachers, on Tuesday, November 5th at 6:00 p.m. in the Woman's College Union Dining Room. Professor Cartwright's address will be "The

Education of American Teachers." All interested persons are cordially invited to attend.

Persons who are not regular patrons of the Dining Hall will buy tickets in the lobby, go through the cafeteria line, and take their trays to the dining room upstairs. Professor Cartwright's address will begin about 6:30 p.m.

### FACULTY CLUB MEETING

The Faculty Club will meet for luncheon in the Union Ballroom on Wednesday, November 6th, at 12:30 p.m. Dean James L. Meriam, Dean of the College of Engineering, will be the speaker, and his topic, "Aims of Engineering Education at Duke." The cost of \$1.25 will be paid at the door. All those who expect to attend are requested to return the reservation card by Monday, November 4th.

### JOINT DUKE-UNC PHYSICS COLLOQUIUM

Dr. Walter Marshall, Atomic Energy Research Establishment, Harwell, Britain, will speak on "Recent Work on Critical Phenomena in Ferromagnets and Antiferromagnets" on Wednesday, November 6th at 2:15 p.m. in Room 114 Physics Building.

### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, November 6th at 4:15 p.m. in Room 111 Biological Sciences Building. Dr. Jan Kohlmeyer of the Duke Marine Laboratory and Department of Botany will speak on "Mycological Investigations at the Berlin Museum."

Dr. Kohlmeyer is associate curator of the Botanical Museum, West Berlin, and is now serving as research associate in mycology in the Department of Botany. Dr. Kohlmeyer is an authority on the morphology of marine Ascomycetes.

Refreshments will be served in the foyer at 4:00 p.m.

### AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS MEETING

The American Institute of Electrical Engineers, Eastern North Carolina Sub-Section, Technical Group on Research will have a meeting on Wednesday, November 6th at 7:30 p.m. in Room 1548 Clinical Research Building. Dr. W. R. Hudson, Associate Professor of Otolaryngology, Department of Surgery, Medical Center, will speak on "Electrophysiological Responses in Audition."

### FOREST WILDLIFE LECTURES

Sponsored by the Visiting Scientist Program of the Society of American Foresters, the National Science Foundation, and the Duke School of Forestry, Dr. Warren W. Chase will present two forest wildlife lectures on Thursday and Friday, November 7th and

8th. Dr. Chase, presently Chairman of the Department of Wildlife Management at the University of Michigan, did his undergraduate work at Macalester College and took the Ph.D. Degree at the University of Minnesota. His professional experience includes twelve years as a regional biologist with the federal government and twenty-three years in teaching and research. He is a member of Xi Sigma Pi, Sigma Xi, Phi Sigma, the Society of American Foresters, and the Wildlife Society. He has written extensively in the fields of Soils, Forestry, and Wildlife.

On Thursday, November 7th at 7:30 p.m. in Room 111 Biological Sciences Building, Dr. Chase will speak on "Forest and Wildlife Management on Private Lands." On Friday, November 8th at 3:30 p.m. in Room 205 Biological Sciences Building he will speak on "Ecological Concepts Useful in Forest Wildlife Management."

All interested persons are cordially invited to attend.

### JOINT DUKE-UNC PHILOSOPHY COLLOQUIUM

Professor Ronald J. Butler of the Department of Philosophy, University of Toronto, will speak in 213 Caldwell Hall, Chapel Hill, on Friday, November 8th at 8:00 p.m. The subject of Mr. Butler's address will be "Hume's Theory of Perceptions." All members of the University Community are invited.

### STUDENT UNION PRESENTS MAX MORATH'S "RAGTIME REVISITED"

A novel entertainment will be available for those who through nostalgia or curiosity come to Page Auditorium at 8:15 p.m. on Friday, November 8th, to hear *Ragtime as Revisited* by one Max Morath, a singer and pianist who describes himself as "a man completely out of touch with his environment" as he presents an amiable and warm-hearted panorama of the music of that American age of innocence that extended from the nineties through World War I. His program includes piano syncopations, Tin Pan Alley memorabilia, and Magic Lantern Tableau.

Morath's ragtime keeps him busy with a steady round of performances for colleges, conventions, and nightclubs. For television, in addition to commercial and guest appearances, he has written and performed two series for National Educational Television. He is an Epic recording artist, and is active as a writer and composer.

General admission tickets, priced at \$1.00 for adults and \$.50 for children, will be available on campus during the week and at the door the night of the performance from the Student Union Special Activities Committee.

### UNDERGRADUATE FACULTY COUNCIL

There will be no meeting of the Undergraduate Faculty Council in November.

### SUMMER PLACEMENT REGISTRATION

It is important that all Duke undergraduate and graduate students stop by the Summer Placement Office in Room 212 Flowers Building, if they are interested in registering for summer work. Requests for summer personnel, both technical and non-technical, are received every day, and only by completing the registration form can students indicate their availability for consideration. Office hours are posted on the door, or appointments can be made to see Mr. Robert Detweiler, Director of Summer Placement, in Room 214 Flowers Building.

### PRO AMOR LIBRIS

Provided that a modest number of undergraduates, graduate students and faculty members express their interest in such a venture, it is proposed a Society of Book Collectors and Book Lovers under the name Pro Amor Libris be founded. The object of the Society would be to foster and nourish all aspects of book collecting and the enjoyment of books. The Society would meet every two months and would be a common meeting ground for all on the Campus who collect books or plan to collect books. Membership would be gratis. The proposed Society has received the blessing of the Librarian and of several faculty members. All interested persons may speak with Mr. Jeremy North of the Gothic Bookshop. If a score or more individuals indicate their interest then Pro Amor Libris will be founded.

### ADVANCE NOTICE GUEST ORGAN RECITAL

Heinz Wunderlich, distinguished German organist of St. Jacobi Church, Hamburg, will present an organ recital in the University Chapel on Sunday, November 10th, at 4:00 p.m. The public is extended a cordial invitation to hear this important artist considered by many to be "a virtuoso of greatest style" and "an impressive mediator of Bach's piety."

The program follows:

Cantio Saera:	<i>Samuel Scheidt</i> (1587-1654)
"Warum betrübst du dich, mein Herz"	
(12 Choral variations)	
Prelude and Fugue in D Major	<i>Johann Sebastian Bach</i> (1685-1750)
Passacaglia in C Minor	<i>Johann Sebastian Bach</i>
Fantasie and Fugue on B-A-C-H	<i>Franz Liszt</i> (1811-1886)
Sonata on a Single Theme	<i>Heinz Wunderlich</i> (1919- )
(Tranquillo/Allegro-agitato-Recitativo—Toccata fugata)	

### ADVANCE NOTICE AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS MEETING

AAUP will meet on Tuesday, November 12th at 8:00 p.m. in Room 111 Biological Sciences Building. The speaker will be Dr. Samuel Proctor Massie, II President of North Carolina College. All interested persons are invited to attend.



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## THE NINETEENTH QUADRENNIAL ECUMENICAL STUDENT CONFERENCE

The Nineteenth Quadrennial Ecumenical Student Conference is scheduled to be held December 27-January 2, at Ohio University in Athens, Ohio. The cost of attending the conference is \$59.00 plus transportation. Students who are interested in going should contact Chaplain Howard C. Wilkinson within the next few days. Sponsored by the National Student Christian Federation, the conference's theme is "For the Life of the World."

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### ADVANCE NOTICE "BLACK WATCH" TO APPEAR IN INDOOR STADIUM

On Tuesday, November 19th at 8:15 p.m. the Regimental Band and Massed Pipers of the **Black Watch** (Royal Highland Regiment) with Highland Dancers from the Edinburgh Festival, will appear in the Indoor Stadium under the auspices of the Artists Series.

Trumpet fanfares, rumbling drums and the stirring skirl of the Massed Pipers launches the brilliant and moving spectacle of marching ceremonies, rousing music and highland dancing which this world-famous regiment brings to North America.

Tickets priced at \$2.50 and \$2.00 for adults and \$1.25 and \$1.00 for children are on sale in Room 202-A Flowers Building or write to Box KM, Duke Station (enclose self-addressed stamped envelope).

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### ADVANCE NOTICE FACULTY CLUB SQUARE DANCE

The Faculty Club will sponsor a Folk and Square Dance Party in the Woman's College gymnasium on Thursday, November 21st, at 8:15 p.m. It is not necessary to have a partner to attend. All faculty and staff members will be welcome.

## ADVANCE NOTICE DEPARTMENT OF RELIGION LECTURES

The Religion Department will present Dr. John A. Meyendorf, Professor of Church History, St. Vladimir's Orthodox Theological Seminary in New York State, on Wednesday and Thursday, November 20th and 21st in Room 208 Flowers Building. Dr. Meyendorf will give two public lectures. His first lecture, "Recent Trends in the Orthodox View of the Church" will be delivered at 8:00 p.m. on Wednesday, November 20th. His second lecture, "Protestantism, Orthodoxy, and the Ecumenical Movement" will be given at 4:00 p.m. on Thursday, November 21st. The University Community is cordially invited.

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### ADVANCE NOTICE DUKE STUDENT SYMPOSIUM "CONTEMPORARY LITERATURE— A POST-HUMAN AGE?"

The Duke Student Symposium, "Contemporary Literature—A Post-Human Age?" will be held on Campus Sunday, November 10th through Wednesday, November 13th with evening sessions beginning at 7:30 p.m. The Sunday through Tuesday sessions will be held in Page Auditorium and the final meeting in Woman's College Auditorium. The speakers will be Dr. Thomas Driver, Assistant Professor of Christian Theology at Union Theological Seminary; Ralph Ellison, author of "The Invisible Man" which won the National Book Award for fiction; W. D. Snodgrass, whose first volume of poetry, "Heart's Needle," won a Pulitzer Prize; and Walt Kelly, satirist and creator of "Pogo."

The Symposium hopes to provoke thought centering around the problems of contemporary literature and what this literature has to say to modern man. It will endeavor to look into the interrelationship between literature and society, how each affects the other and what each can learn from the other.

All sessions are open to the public without charge. This annual symposium is completely sponsored by the major student organizations.

WEEK OF

Nov. 10-16, 1963

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# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, November 10

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "Some Reflections on Death." Broadcast over Radio Station WDNC and WDNC-FM.

4:00 p.m. Guest Organ Recital. Guest Organist: Heinz Wunderlich. University Chapel.

7:30 p.m. Duke Student Symposium. Page Auditorium. Speaker: Dr. Thomas F. Driver.

### Monday, November 11

4:00 p.m. Physiology Seminar. Room M-204 Medical Center. Speaker: Dr. A. D. Bangham.

4:15 p.m. Zoology Seminar. Auditorium of Biological Sciences Building. Speaker: Mr. Michael Salmon.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.

7:30 p.m. Duke Student Symposium. Page Auditorium. Speaker: Mr. Walt Kelly.

### Tuesday, November 12

10:10 a.m. Divinity School Chapel. York Chapel. Professor W. F. Stinespring.

11:30 a.m. Engineering Seminar. Room 125 Engineering Building. Speaker: Dr. Albert G. H. Dietz.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.

2:30 p.m. Final examination of Mr. Paul Clouser for the Ph.D. degree in Physics. Room 218 Physics Building.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:30 p.m. Duke Student Symposium. Page Auditorium. Speaker: Mr. W. D. Snodgrass.

7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.

8:00 p.m. American Association of University Professors Meeting. Auditorium of Biological Sciences Building. Speaker: Dr. Samuel Proctor Massie, II.

### Wednesday, November 13

10:10 a.m. Divinity School Chapel. York Chapel. Professor W. F. Stinespring.

11:00 a.m. Divinity School Lecture. York Chapel. Speaker: Dr. Charles R. Stinnette, Jr.

12:30 p.m. Campus Club Luncheon. Hope Valley Country Club.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 4:15 p.m. Botany Seminar. Room 111 Biological Sciences Building. Speaker: Dr. Lloyd T. Evans.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:05 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. J. M. Synge's "The Playboy of the Western World" (Irish), starring Siobhan McKenna in Eastman Color. "Classic piece of strong, sarcastic humor, bubbling and bursting with wonderful folk-imagination and force of character."—Crowther, *New York Times*. "A world masterpiece . . . what language, what eloquence."—Winsten, *N. Y. Post*. "A joy: absolute and unbounded!"—*Newsweek*.
- 7:30 p.m. Duke Student Symposium. Woman's College Auditorium. Speaker: Mr. Ralph Ellison.

## Thursday, November 14

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Ingram C. Parmley.
- 12:30 p.m. Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Mary Rhodes.
- 12:30-1:30 p.m. Faculty and graduate students volleyball. Indoor Stadium.
- 4:00 p.m. Physiology Lecture. Room M-204 Medical Center. Speaker: Dr. George C. Cotzias.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:00 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, November 15

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Baptism. Professor James T. Cleland, Celebrant.
- 3:00 p.m. Political Science Graduate Seminar. Room 302 Library. Speaker: Professor W. W. Kulski, Visiting James B. Duke Professor of Russian Affairs.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:15 p.m. Dad's Day Combined Concert. Page Auditorium.

## Saturday, November 16

- 2:00 p.m. Varsity Football: Duke versus United States Naval Academy. Stadium.
- 6:30 p.m. Student Union presents: The Smothers Brothers. Indoor Stadium.
- 7:05 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. J. M. Synge's "The Playboy of the Western World" (Irish), starring Siobhan McKenna in Eastman Color. "Classic piece of strong, sarcastic humor, bubbling and bursting with wonderful folk-imagination and force of character."—Crowther, *New York Times*. "A world masterpiece . . . what language, what eloquence."—Winsten, *N. Y. Post*. "A joy: absolute and unbounded!"—*Newsweek*.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Sunday, 1:45 P.M., Rides leave from East and West circles for the Murdoch School at Butner. Friday, 6:15 P.M., Baptist Student Center, Supper followed by worship and forum: Dr. Thomas E. McCollough will follow-up a discussion of the symposium.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL UNIVERSITY CENTER:** Sunday, 9:30 A.M., Chapel of St. Michael at the Center, Holy Communion; 6:15 P.M., Evensong; 7:30 P.M., Duke Symposium: Dr. Thomas Driver. Monday, 7:30 P.M., Page Auditorium, Duke Symposium (This will replace "Evenings of Dialogue" for this week.); 9:00 P.M., Center, Lay Reader's Class. Wednesday, 7:10 A.M. and 5:30 P.M., Chapel of St. Michael, Holy Communion. Friday, 4:00 P.M., Center, Seminar on "Christianity and Modern Man."

There will be a celebration of Holy Communion at the Episcopal University Center on Thanksgiving Day at 9:30 A.M. All members of the University community are welcome.

**LUTHERAN STUDENT ASSOCIATION:** Sunday, 6:30 P.M., Green Room, East Duke Building, "My Sex Life; A Moral Issue? A Social Issue? A Religious Issue?" Discussion (second part) led by Bill Patton, Lutheran Chaplain. The meeting will adjourn in time to attend the Symposium.

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Freshman Forum—Continuing discussion of worship; 6:00 P.M., Center, Evening Prayer. There will be no Forum hour Sunday because of the Symposium. Tuesday, 7:00 P.M., Center, "The Meaning of Freedom" Seminar. Thursday, 9:00 P.M., Men's Graduate Center, "Contemporary Criticisms of Christianity" Seminar.

On Sunday, November 17, at 6:00 P.M., there will be a Congregational Meal at the Methodist Center. This will be followed by a discussion of the Ecumenical Council. The University community is invited.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP:** Sunday, 5:30 P.M., The UCCF will meet at the home of Dr. and Mrs. Frederiek Herzog, 2936 Chapel Hill

Road. After supper and a short business meeting the group will attend the opening meeting of the University Symposium in Page Auditorium. Transportation will leave the Chapel, East Campus circle, and Hanes House at 5:15 P.M.

**WESTMINSTER FELLOWSHIP:** There will be no meeting on Sunday because of the Symposium.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, November 10th, in the University Chapel. His subject will be "Some Reflections on Death." The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University.  
Lector: The Reverend W. Robert Mill, Chaplain to Episcopal Students.  
Opening Organ Voluntary—Prelude, Fugue and Variation  
Choral Call to Worship—"The Lord Is in His Holy Temple" *Frank*  
Hymn—"Strong Son of God, Immortal Love" *John B. Dykes*  
The Prayer of Adoration  
The Lord's Prayer  
Anthem—"Oh, Worship the Lord" *Henry Purcell*  
Scripture Lesson—Ecclesiastes 3:19-21; I Corinthians 15:22-26  
Hymn—"For All the Saints" *Ralph Vaughan Williams*  
Call to Prayer  
The Pastoral Prayer of Confession, Thanksgiving, Intercession, Petition and Dedication  
The Offering  
Offertory Organ Interlude  
Anthem—"Strike the Cymbal, Bow the String!" *Franz Schubert*  
Response—The Doxology  
Prayer of Dedication  
Sermon—"Some Reflections on Death"  
Prayer  
Benediction  
Choral Response—"Sevenfold Amen" *John Stainer*  
The Chimes  
Closing Organ Voluntary—We All Believe in One God, Father *Bach*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, November 17th is the Reverend Dr. McMurry S. Richey, Associate Professor of Theology and Christian Nurture in the Divinity School.

### GUEST ORGAN RECITAL

Heinz Wunderlich, distinguished German organist of St. Jacobi Church, Hamburg, will present an organ recital in the University Chapel on Sunday, November 10th, at 4:00 p.m. The public is extended a cordial invitation to hear this important artist considered by many to be "a virtuoso of greatest style" and "an impressive mediator of Bach's piety."

The program follows:

Cantio Sacra: *Samuel Scheidt*  
(1587-1654)  
"Warum betrübst du dich, mein Herz"  
(12 Choral variations)  
Prelude and Fugue in D Major *Johann Sebastian Bach*  
(1685-1750)  
Passacaglia in C Minor *Johann Sebastian Bach*

Fantasie and Fugue on B-A-C-H

Sonata on a Single Theme

*Franz Liszt*  
(1811-1886)

*Heinz Wunderlich*  
(1919- )

(Tranquillo/Allegro-agitato-Recitativo—Toccata fugata)

### DUKE STUDENT SYMPOSIUM "CONTEMPORARY LITERATURE— A POST-HUMAN AGE?"

The Duke Student Symposium, "Contemporary Literature—A Post-Human Age?" will be held on Campus Sunday, November 10th through Wednesday, November 13th with evening sessions beginning at 7:30 p.m. The Sunday through Tuesday sessions will be held in Page Auditorium and the final meeting in Woman's College Auditorium. The speakers will be Dr. Thomas Driver, Assistant Professor of Christian Theology at Union Theological Seminary; Ralph Ellison, author of "The Invisible Man" which won the National Book Award for fiction; W. D. Snodgrass, whose first volume of poetry, "Heart's Needle," won a Pulitzer Prize; and Walt Kelly, satirist and creator of "Pogo."

The Symposium hopes to provoke thought centering around the problems of contemporary literature and what this literature has to say to modern man. It will endeavor to look into the interrelationship between literature and society, how each affects the other and what each can learn from the other.

All sessions are open to the public without charge. This annual symposium is completely sponsored by the major student organizations.

#### SUNDAY, November 10

Introduction of Program—Page Auditorium, 7:30 p.m.

Bill Nichols, Dr. Douglas M. Knight

Keynote Address

DR. TOM F. DRIVER,

"Poetry, Prose and People"

Panel Discussion, Page Auditorium, 9:00 p.m.

"Man in the Modern Age"

Dr. Tom F. Driver, Mr. Ralph Ellison, Mr. Walt Kelly, Mr. W. D. Snodgrass, Rev. Robert Mill

#### MONDAY, November 11

Informal Coffees, 3:30 p.m.

Men's Dorm: Independent Lounge—Dr. Tom F. Driver

Freshman Dorm: House O—Mr. Ralph Ellison

Alumni Room: East Duke Building—Mr. Walt Kelly

Hanes Recreation Area—Mr. W. D. Snodgrass

Address, Page Auditorium, 7:30 p.m.

MR. WALT KELLY

"Pogo Speaks"

Panel Discussion, Page Auditorium, 9:00 p.m.

"The 'Hero' and 'Tragedy' in Modern Literature"

Dr. Tom F. Driver, Mr. Ralph Ellison, Mr. Walt Kelly, Mr. W. D. Snodgrass, Dr. W. D. White

#### TUESDAY, November 12

Informal Coffees, 3:30 p.m.

Men's Dorm: Independent Lounge—Mr. Ralph Ellison

Freshman Dorm: House O—Dr. Tom F. Driver

Alumni Room, East Duke Building—Mr. W. D. Snodgrass

Hanes Recreation Area—Mr. Walt Kelly

Address, Page Auditorium, 7:30 p.m.

MR. W. D. SNODGRASS

"An Overview: 1870-1970"

Panel Discussion, Page Auditorium, 9:00 p.m.

"The Writer Today"

Dr. Tom F. Driver, Mr. Ralph Ellison, Mr. Walt Kelly, Mr. W. D. Snodgrass, Mr. Reynolds Price



WEDNESDAY, November 13

Informal Coffees, 3:30 p.m.

Men's Dorm: Independent Lounge—Mr. Walt Kelly

Freshman Dorm: House O—Mr. W. D. Snodgrass

Alumni Room, East Duke Building—Mr. Ralph Ellison

Hanes Recreation Area—Dr. Tom F. Driver

Address, Woman's College Auditorium, 7:30 p.m.

MR. RALPH ELLISON

"The Novel and The American Experience"

Panel Discussion, Page Auditorium, 9:00 p.m.

Open Topic

Dr. Tom F. Driver, Mr. Ralph Ellison, Mr. Walt Kelly, Mr. W. D. Snodgrass

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### PHYSIOLOGY SEMINAR

The Department of Physiology will hold a seminar on Monday, November 11th at 4:00 p.m. in Room M-204 Medical Center. Dr. A. D. Bangham, Agricultural Research Council, Institute of Animal Physiology, Cambridge, England, will speak on "The Physical Structure and Behavior of Lipids. Reflections on the 'Unit Membrane.'"

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### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, November 11th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Mr. Michael Salmon, University of Maryland will speak on "Courtship in Fiddler Crabs." Coffee and tea will be served in the foyer at 4:00 p.m.

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### ENGINEERING SEMINAR

Dr. Albert G. H. Dietz of the Engineering School at M. I. T. will present the second of the 1963-64 series of seminars sponsored by the College of Engineering. He will speak on "Reinforced Plastics as Engineering Materials" at 11:30 a.m. on Tuesday, November 12th in Room 125 of the Engineering Building. The public is invited to attend.

Dr. Dietz is currently serving as a Director of the American Society for Testing Materials. He has served as a member of the Engineering Education Commission to Japan and has been quite active in materials study in the Materials Division of the M. I. T. School of Engineering.

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### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Paul Clouser for the Ph.D. degree in Physics will be held on Tuesday, November 12th at 2:30 p.m. in Room 218 Physics Building. The subject of Mr. Clouser's dissertation is "Millimeter and Submillimeter Microwave Spectroscopy of the Alkali Chlorides." The committee to conduct the examination consists of Professors Walter Gordy, Eugene Greuling, Horst Meyer, Frank Tangherlini, and J. H. Roberts. Professor Gordy will preside.

### THE AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS MEETING

The AAUP's first meeting of the academic year will be held at 8:00 p.m. on Tuesday, November 12th in the Auditorium of the Biological Sciences Building. The speaker for the evening, Dr. Samuel Proctor Massie, II, President of North Carolina College, has expressed interest in commenting on some effects of the crisis in civil rights on higher education of Negroes. The meeting is open to all.

Local chapter dues of \$1.00 are once again in order. The treasurer Miss Marianna Jenkins, will be prepared to accept these at the meeting or by mail at the Department of Art, Asbury Building.

The chapter cordially invites new members, both active and junior for the AAUP. The principal requirement is a current responsibility involving at least half-time teaching and/or research.

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### DIVINITY SCHOOL LECTURE

Dr. Charles R. Stinnette, Jr. will lecture on "The Pastoral Ministry in Theological Perspective" on Wednesday, November 13th at 11:00 a.m. in York Chapel. The public is invited to attend.

Dr. Stinnette is a graduate of North Carolina State College at Raleigh, and received his divinity degree from Union Theological Seminary in New York. At Hartford Theological Seminary he was awarded the S.T.M. degree, and at Columbia University the Ph.D. degree. He is an ordained priest of the Episcopal Church, and served as an Army Chaplain during the war.

He held the post of Chaplain and Professor of Religion at Rochester University, later served as a rector in Rochester and became a Canon of the Washington Cathedral. He taught for six years in Union Theological Seminary before assuming his present chair as Professor of Pastoral Theology at the University of Chicago. He is the author of several books: **Anxiety and Faith: Faith, Freedom, and Selfhood**; and **Grace and the Searching of Our Heart** which appeared in 1962.

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### CAMPUS CLUB LUNCHEON

The Campus Club will honor Mrs. Douglas M. Knight at a luncheon at the Hope Valley Country Club on Wednesday, November 13th, at 12:30 p.m. The hostess departments include: West Administration, Alumni Affairs and Public Relations with Mrs. Everett H. Hopkins serving as Chairman.

The entertainment will include a violin concert played by Joseph Pepper, visiting artist, and accompanied by Loren Withers, Professor of Piano, Department of Music. Marjorie Randolph, '63, a pupil of John Hanks, Professor of Voice, Department of Music, will present a series of songs accompanying herself on the lute.

Tickets are available from Mrs. Frank Bowers until ten o'clock Monday morning, November 11th.

### **BOTANY SEMINAR**

The Botany Seminar will be held on Wednesday, November 13th at 4:15 p.m. in Room 111 Biological Sciences Building. Dr. Lloyd T. Evans will speak on "The Canberra Phytotron and Its Role in Research."

Dr. Evans, officer-in-charge of the CSIRO phytotron, CERES, at Canberra, is working this winter at the U. S. Department of Agriculture Plant Industry Station, Beltsville, Maryland. Dr. Evans is a native of New Zealand. He did his doctoral research in England and postdoctoral research at the Earhart Laboratory at the California Institute of Technology. From California he went to Australia to the Division of Plant Industry of CSIRO. He was closely concerned with the planning of the Australian phytotron and was put in charge of it when it was constructed.

Refreshments will be served in the foyer at 4:00 p.m.

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### **ECOLOGY SEMINAR**

The Ecology Seminar will meet on Thursday, November 14th at 12:30 p.m. in Room 144 Biological Sciences Building. Mary Rhodes, graduate student in Botany, will speak on "Seed Germination in *Shortia Galacifolia*." Interested persons are invited to attend.

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### **PHYSIOLOGY SEMINAR**

The Department of Physiology will hold a seminar on Thursday, November 14th at 4:00 p.m. in Room M-204 Medical Center. Dr. George C. Cotzias, Head, Physiology Division, Brookhaven National Laboratory, Associated Universities, Incorporated, will speak on "Homeostasis and Trace Elements."

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### **POLITICAL SCIENCE GRADUATE SEMINAR**

The Political Science Graduate Seminar will meet in Room 302 West Library at 3:00 p.m. on Friday, November 15th. Professor W. W. Kulski, Visiting James B. Duke Professor of Russian Affairs, will speak on "Dissonant Voices in the Communist World."

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### **ADVANCE NOTICE DURHAM CIVIC CHORAL SOCIETY AND THE TRIANGLE SYMPHONY ORCHESTRA CONCERT**

The Durham Civic Choral Society and the Triangle Symphony Orchestra will perform Puccini's *Messa di Gloria* and Bach's *Cantata 150* ("Lord, to Thee") on Monday, November 25th, at 8:15 p.m. in the Woman's College Auditorium. The concert will be conducted by Dr. Paul Bryan. John Hanks will sing the tenor solos. The entire Duke Community is invited, and admission is free.

### **STUDENT UNION PRESENTS THE SMOTHERS BROTHERS**

The Major Attractions Committee of the Duke University Student Union will present The Smothers Brothers on Saturday, November 16th at 6:30 p.m. in the Indoor Stadium. The Smothers Brothers, a folk-singing comedy group, will present folk songs laced with satirical patter. The New York Times said, "They smother the folk song craze in wit!" General admission tickets are \$1.50, and will go on sale Saturday, November 9th on the Main Quadrangle. They will also be on sale the afternoon of the performance from 5:00 p.m. until show time at the Indoor Stadium Box Office.

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### **DAD'S DAY COMBINED CONCERT**

The Men's and Women's Glee Club under the direction of Mr. James Young will present their annual Dad's Day Combined Concert on Friday, November 15th at 8:15 p.m. in Page Auditorium. Special guest soloists will be Tina Pfohl and Byung Kwon, and the accompanists will be John Ruggero and William Watson. The Glee Clubs will present a program consisting of music from sacred to secular, and classical to modern. Special highlights of the program will be Vaughan Williams' *A Sea Symphony* (first movement) and selections from *Porgy and Bess* by George Gershwin.

Admission will be \$1.00 at the door or tickets may be obtained by calling Extension 3898. The University Community is cordially invited to attend.

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### **ADVANCE NOTICE DEPARTMENT OF RELIGION LECTURES**

The Religion Department will present Dr. John A. Meyendorf, Professor of Church History, St. Vladimir's Orthodox Theological Seminary in New York State, on Wednesday and Thursday, November 20th and 21st in Room 208 Flowers Building. Dr. Meyendorf will give two public lectures. His first lecture, "Recent Trends in the Orthodox View of the Church" will be delivered at 8:00 p.m. on Wednesday, November 20th. His second lecture, "Protestantism, Orthodoxy, and the Ecumenical Movement" will be given at 4:00 p.m. on Thursday, November 21st. The University Community is cordially invited.

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### **ADVANCE NOTICE FACULTY CLUB SQUARE DANCE**

The Faculty Club will sponsor a Folk and Square Dance Party in the Woman's College gymnasium on Thursday, November 21st, at 8:15 p.m. It is not necessary to have a partner to attend. All faculty and staff members will be welcome.



## BATTLESHIP USS NORTH CAROLINA

Duke University and the U. S. Navy Department will present to the State of North Carolina an exact replica of the battleship USS North Carolina during half time ceremonies at the Duke-Navy football game on Saturday, November 16th. The scale model, eight feet long and valued at \$15,000, has been at Duke in the custody of the NROTC Unit for the past fifteen years.

Dignitaries taking part in the ceremony will include Dr. Douglas M. Knight, Governor Terry Sanford, Admiral D. L. McDonald, Chief of Naval Operations, Rear Admiral C. C. Kirkpatrick, Superintendent of the U. S. Naval Academy, Rear Admiral L. R. Daspit, Commandant of the Sixth Naval District and Rear Admiral R. B. Ellis (Retired) and Mr. Hugh Mortou of the State Battleship Commission.

Dr. Knight will state the purpose of the occasion and introduce the dignitaries. The battleship will be brought on the field by a mechanical mule and will be accompanied by an honor guard and color guard of Duke University NROTC midshipmen.

## ADVANCE NOTICE "BLACK WATCH" TO APPEAR IN INDOOR STADIUM

On Tuesday, November 19th at 8:15 p.m. the Regimental Band and Massed Pipers of the **Black Watch** (Royal Highland Regiment) with Highland Dancers from the Edinburgh Festival, will appear in the Indoor Stadium under the auspices of the Artists Series.

Trumpet fanfares, rumbling drums and the stirring skirl of the Massed Pipers launches the brilliant and moving spectacle of marching ceremonies, rousing music and highland dancing which this world-famous regiment brings to North America.

Tickets priced at \$2.50 and \$2.00 for adults and \$1.25 and \$1.00 for children are on sale in Room 202-A Flowers Building or write to Box KM, Duke Station (enclose self-addressed stamped envelope).

## UNDERGRADUATE FACULTY COUNCIL

There will be no meeting of the Undergraduate Faculty Council in November.

## DUKE UNIVERSITY EXCEEDS UNITED FUND GOAL

Duke University has once again exceeded its goal as established for the Durham United Fund Campaign of 1963. The University's quota in this year's effort was \$40,000. Members of the Duke University community have pledged \$41,979.73. The Durham Campaign has not reached its goal; therefore, it is requested that those who have not made their pledge return it to Room 121 of the Engineering Building.

## ART EXHIBITION

On view until November 19th in the Gallery of the Woman's College Library is a loan exhibition of American Paintings from the collection of Mr. Harry L. Dalton of Charlotte, North Carolina. Mr. Dalton, whose private collection of works of art, numbers some three hundred items, is an alumnus of Duke, Class of 1916. Since that time he has pursued a notably successful career in the world of business and finance. It is a measure of Mr. Dalton's activity that, despite his official retirement, he still serves as a director of some three dozen corporations. It is in his "spare time" that he follows his interest in collecting and oversees his philanthropic activities in connection with art programs and art centers in a number of colleges and universities.

The current exhibition is drawn from the American portion of Mr. Dalton's collection and the works included range in date over the last century and a half, as represented by such noted painters as Eakins, Sully, Sargeant, Inness and members of the Eight. Later it is hoped that the European portions of his collection may be shown. Under the joint auspices of the Department of Art and the Student Union all exhibitions are open to the public without charge.

## SUMMER PLACEMENT REGISTRATION

It is important that all Duke undergraduate and graduate students stop by the Summer Placement Office in Room 212 Flowers Building, if they are interested in registering for summer work. Requests for summer personnel, both technical and non-technical, are received every day, and only by completing the registration form can students indicate their availability for consideration. Office hours are posted on the door, or appointments can be made to see Mr. Robert Detweiler, Director of Summer Placement, in Room 214 Flowers Building.

WEEK OF

Nov. 17-23, 1963

WEEK OF

Nov. 17-23, 1963

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, November 17

Denominational Meetings. See special notice.

- 10:30-10:45 a.m. Carillon Recital. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. McMurry S. Richey, Associate Professor of Theology and Christian Nurture, The Divinity School. Sermon: "A Charitable Man Is the True Lover of God." Broadcast over Radio Station WDNC and WDNC-FM.
- 4:00 p.m. Department of Music Student Recitals. Music Room East Duke Building.
- 7:30 p.m. Diwali Celebrations: India's Festival of Lights. Auditorium of Biological Sciences Building.

### Monday, November 18

- 4:15 p.m. Zoology Seminar. Speaker: Professor Morley Kare. Auditorium of Biological Sciences Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 8:15 p.m. An Evening With Iain Hamilton. Music Room East Duke Building.
- 8:15 p.m. CORE Meeting. Room 208 Flowers Building.

### Tuesday, November 19

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor W. D. White.
- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:15 p.m. Duke Artists Series presents the "Black Watch." Indoor Stadium.

### Wednesday, November 20

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Thomas E. McCollough.
- 3:30 p.m. Psychology Colloquium. Speaker: Dr. Zing-Yang Kuo. Room 130 Building 9.
- 4:15 p.m. Botany Seminar. Speaker: Dr. Elsie Quartermann. Auditorium of Biological Sciences Building.
- 4:30 p.m. Joint Duke-U. N. C. Physics Colloquium. Speaker: Professor Bernard Cohen. Room 265 Phillips Hall, U. N. C. Chapel Hill, N. C.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "A Day at the Races," with the Marx Brothers — Groucho — Harpo — Chico, Allan Jones, and Maureen O'Sullivan.
- 8:00 p.m. Department of Religion Lecture. Speaker: Dr. John A. Meyendorf. Room 208 Flowers Building.
- 8:15 p.m. Student Union Young Artists Series presents Susan Starr. Music Room, East Duke Building.

## Thursday, November 21

- 10:00 a.m. Newcomers' Club Meeting. Speaker: Camilla R. Bittle. 3106 Devon Road, Hope Valley.
- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Evan G. Snodgrass, II.
- 4:00 p.m. Physiology Seminar. Speaker: Dr. William P. Jencks. Room M-204 Medical Center.
- 4:00 p.m. Graduate Faculty Meeting. Room 208 Flowers Building.
- 4:00 p.m. Department of Religion Lecture. Speaker: Dr. John A. Meyendorf. Room 208 Flowers Building.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 4:30 p.m. Gallery Coffee Honoring Robert M. Broderson. Alumni Lounge.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:00 p.m. Faculty Volleyball. Indoor Stadium.
- 6:30 p.m. Pi Sigma Alpha presents Dr. Wladyslaw W. Kulski. Room 204 East Duke Building.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Page Auditorium.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. Faculty Club Square Dance. Woman's College Gymnasium.

## Friday, November 22

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. McMurry S. Richey, Mr. B. S. McKinley.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:15 p.m. Duke Symphony Orchestra Concert. Conductor: Allan Bone. Page Auditorium.

## Saturday, November 23

- 2:00 p.m. Varsity Football: Duke versus University of North Carolina. Stadium. Student Union Open House following Game. Union Ballroom.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "A Day at the Races," with the Marx Brothers — Groucho — Harpo — Chico, Allan Jones, and Maureen O'Sullivan.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Friday, Center, 6:15 P.M., Supper followed by worship and seminars.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL CENTER:** Sunday (Trinity XXIII), 9:30 A.M., Center, Holy Communion; 6:15 P.M., Center, Evensong. Monday, 7:00 P.M., Evenings of Dialogue; 8:30 P.M., Lay Readers' and Acolytes' Class. Wednesday, 7:10 A.M. and 5:30 P.M., Holy Communion. Friday, 3:15 P.M., Seminar on Orthodoxy (Dr. Bush).

**LUTHERAN STUDENT ASSOCIATION:** There will be no meeting this week because of the N.C.-Tenn. LSA Conference at Lenoir Rhyne in Hickory, N. C.

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Freshman Forum. Snack Breakfast and Discussion of "No Exit" by Jean Paul Sartre (the first in a series of discussions of religious insights in contemporary literature); 5:30 P.M., Center, Congregational Meal. Tuesday, 7:00 P.M., Center, Seminar on "The Meaning of Freedom." Thursday, 9:00 P.M., Men's Graduate Center, Seminar on "Contemporary Criticisms of Christianity."

On Sunday, November 24, Wesley Players will present a chancel drama, *Impromptu*, by Tad Mosel, at the service of Evening Prayer at 6:00 P.M.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP:** Sunday, 5:30 P.M., home of Dr. and Mrs. Richard Goodling on Farrington Road. The group will discuss chapters 1 and 2 of Bishop J. A. T. Robinson's book, *Honest to God*. Transportation will leave the Chapel steps, the East Campus circle and Hanes House at 5:15 P.M. Thursday, 12:40 P.M., Luncheon at Gilbert Addoms Dining Hall on East Campus.

**WESTMINSTER FELLOWSHIP:** Sunday, 6:15 P.M., Center, Vespers followed by Coffee Hour and Discussion.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. McMurry S. Richey, Associate Professor of Theology and Christian Nurture, The Divinity School, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, November 17th, in the University Chapel. His subject will be "A Charitable Man Is the True Lover of God." The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson,  
 Chaplain to the University  
 Lector: Mr. James T. O'Kelley, Jr., President, Young Men's  
 Christian Association  
 Opening Organ Voluntary—  
 Kleine Präludien und Intermezzi *Hermann Schroeder*  
 Choral Call to Worship—"The Lord Is in His Holy Temple"  
*Calvin W. Laufer*  
 Hymn—"O Worship the King"  
*Adapted from Johann M. Haydn*  
 The Prayer of Adoration  
 The Lord's Prayer  
 Anthem—"My Shepherd Will Supply My Need"  
*Virgil Thomson*  
 Scripture Lesson—I John 4:7-21  
 Hymn—"Faith of Our Fathers!" *Henri F. Hemy*  
 Call to Prayer  
 The Pastoral Prayer of Confession, Thanksgiving, Intercession,  
 Petition and Dedication  
 The Offering  
 Offertory Organ Interlude  
 Anthem—"And He Shall Purify" from *The Messiah*  
*George Handel*  
 Response—The Doxology  
 Prayer of Dedication  
 Sermon—"A Charitable Man Is the True Lover of God"  
 Prayer  
 Benediction  
 Choral Response—"Sevenfold Amen" *John Stainer*  
 The Chimes  
 Closing Organ Voluntary—Sketch in C Major  
*Robert Schumann*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, November 24th, is the Reverend Dr. Howard C. Wilkinson, Chaplain to the University.

## DEPARTMENT OF MUSIC STUDENT RECITALS

The Department of Music will present the first in a series of student recitals on Sunday, November 17th at 4:00 p.m. in the Music Room East Duke Building. The University Community is cordially invited to attend. The program will be as follows:

Allemande, from French Suite No. 3 in B Minor *Bach*  
 Janice Ray, Piano  
 Sonata for Viola in G Major *Benedetto Marcello*  
 Andante  
 Allegro  
 Grave  
 Allegro  
 Larry Cohh, Viola Ruth Friedberg, Piano  
 Sonata in D Major, K.576 *Mozart*  
 First movement: Allegro  
 John Ruggero, Piano  
 Non piu andrai (The Marriage of Figaro) *Mozart*  
 Du bist die Ruh' *Schubert*  
 Ronald Steed, Baritone Ruth Friedberg, Piano  
 Solo de Concours *A. Messager*  
 James Oliver, Clarinet Billie Godwin, Piano  
 Toccata in G Major *Bach*  
 Allegro  
 Adagio  
 Fugue  
 Lydia Cantrell, Piano  
 Sonata for Flute and Piano *Poulenc*  
 Allegro Malincolico  
 Cantilena  
 Presto giocoso  
 Nancy Githens, Flute Ruth Friedberg, Piano  
 Un moto di gioja (The Marriage of Figaro) *Mozart*  
 Porgi amor (The Marriage of Figaro) *Mozart*  
 Sure on this shining night (Agee) *Samuel Barber*  
 Marjorie Randolph, Soprano Ruth Friedberg, Piano

## DIWALI CELEBRATIONS

"Diwali," India's Festival of Lights, will be celebrated on Sunday evening, November 17th at 7:30 p.m. in the Auditorium of the Biological Sciences Building. The program will include a showing of Indian documentary films, a talk by Dr. R. K. Rao, and Indian refreshments. A cordial invitation is extended to all interested persons.

## ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, November 18th at 4:15 p.m. in the Auditorium of the Biological Sciences Building. Professor Morley Kare, Laboratory for Sensory Physiology, North Carolina State College will speak on "Comparative Aspects of the Sense of Taste." Coffee and tea will be served in the foyer at 4:00 p.m.

## AN EVENING WITH IAIN HAMILTON

The Department of Music will present the second in the series of "Five Evenings With Iain Hamilton" on Monday, November 18th at 8:15 p.m. in the Music Room, East Duke Building. Mr. Hamilton, Mary Duke Biddle Professor of Music, will speak of "The Music of Luigi Dallapiccola." A predominantly vocal composer, Dallapiccola is one of the leading Italian composers of today. Now in his fifties he ranks among the very finest of European composers. He is not only a vital composer of today but also one of the greatest vocal composers of the century. His predominantly vocal output ranges from the opera, "The Prisoner," and several large-scale choral and orchestral works such as "The Songs of Freedom" and "Job," to many short works for voice and small instrumental groups such as the *Gothe Lieder*, the *Sappho Fragments* and the *Machado Songs*. In this program Mr. Hamilton will deal with his work as a whole and illustrate his development from a composer with a tonal language to one using a highly individual serial technique.

The following works will be illustrated in performance:

*Tartiniana Seconds for Violin and Piano*  
 Joseph Pepper, Violinist  
 Loren Withers, Pianist  
*Quaderno Musicale*  
 Loren Withers, Pianist  
 Selected additional musical examples will be drawn from recorded performance.

The University Community and the general public are cordially invited to attend.

## CORE MEETING

There will be a meeting of CORE on Monday, November 18th, at 8:15 p.m. in Room 208 Flowers Building, for the purpose of electing officers. Nominations should be turned in to the Executive Committee by Sunday night, November 17th.



## "BLACK WATCH" PERFORMANCE IN INDOOR STADIUM

The Regimental Band and Massed Pipers of the Black Watch (Royal Highland Regiment) with Highland Dancers from the Edinburgh Festival, on their second tour of North America, will appear on Tuesday, November 19th at 8:15 p.m. in the Indoor Stadium under the auspices of the Artists Series.

The Black Watch, of 100 members, has had an historic career dating back to the early 18th century when each glen had its fierce fighting men, owing allegiance to some chieftain; one of the MacDonalds could raise 500 men overnight and the Stewarts could summon upwards of a thousand armed and ready to fight anybody or anything.

In 1724, King George I appointed a new commander-in-chief in Scotland, and Irishman, General George Wade, and in 1725 six companies were formed, three large and three small, numbering about 500 men. Stationed in small groups throughout the Highlands, acting as a police force preventing clan fights and plots against the government, they became known as the Black Watch because of the late hours they kept in keeping a vigil over the land and because of the dark tartans they wore, in contrast to the brilliant red uniforms of General Wade's regular soldiers. Throughout the next couple of centuries, the unit distinguished itself at battles throughout the world, receiving many decorations from grateful and impressed governments.

Trumpet fanfares, rumbling drums and the stirring skirl of the Massed Pipers launches the brilliant and moving spectacle of marching ceremonies, rousing music and highland dancing which this world-famous regiment brings to North America.

All seats are reserved and tickets are priced at \$2.50 and \$2.00 for adults and \$1.25 and \$1.00 for children. They can be purchased in Room 202-A Flowers Building or call Extension 2911.

## PSYCHOLOGY COLLOQUIUM

Dr. Zing-Yang Kuo, Dorothea Dix Hospital, Raleigh, will speak in Room 130 Building 9 on Wednesday, November 20th at 3:30 p.m. The subject of Dr. Kuo's address will be "Looking Back at Instincts."

## BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, November 20th at 4:15 P.M. in the Auditorium of the Biological Sciences Building, West Campns. Dr. Elsie Quarterman will speak on "Problems in the Autecology of Bryophytes."

Dr. Quarterman, Associate Professor of Biology, Vanderbilt University, did her graduate work in Botany at Duke University. Her research on the ecology of both bryophytes and vascular plants has taken her to all parts of the Southeastern States. Her present work deals with causes of endemism in species of *Lesquerella*.

Refreshments will be served in the foyer at 4:00 P.M.

## JOINT DUKE-U.N.C. PHYSICS COLLOQUIUM

The Joint Duke-U.N.C. Physics Colloquium will meet Wednesday, November 20th at 4:30 p.m. at the University of North Carolina, Room 265 Phillips Hall. The speaker will be Professor Bernard Cohen who will speak on the topic "Nuclear Structure Studies with Stripping Reaction."

## DEPARTMENT OF RELIGION LECTURES

The Religion Department will present Dr. John A. Meyendorf, Professor of Church History, St. Vladimir's Orthodox Theological Seminary in New York State, on Wednesday and Thursday, November 20th and 21st in Room 208 Flowers Building. Dr. Meyendorf will give two public lectures. His first lecture, "Recent Trends in the Orthodox View of the Church" will be delivered at 8:00 p.m. on Wednesday, November 20th. His second lecture, "Protestantism, Orthodoxy, and the Ecumenical Movement" will be given at 4:00 p.m. on Thursday, November 21st. The University Community is cordially invited.

## S. U. YOUNG ARTIST SERIES PRESENTS SUSAN STARR

The Student Union Young Artists Series will present a piano recital by Susan Starr on Wednesday, November 20th at 8:15 p.m. in the Music Room East Duke Building. An internationally known young pianist and a 1962 winner of the second prize of the piano division of the International Tchaikovsky Competition in Moscow, Miss Starr has performed widely in both this country and in Europe. An informal reception will follow in the East Duke Parlors. There will be no admission fee. Her program will be as follows:

French Suite No. 5 in G Major	<i>Bach</i>
Allemande	
Courante	
Sarabande	
Gavotte	
Bourrée	
Loure	
Gigue	
Sonata in C Minor, Opus 13 (Sonata Pathétique)	<i>Beethoven</i>
Grave—Allegro di molto e con brio	
Adagio Cantabile	
Rondo: Allegro	
Prelude and Toccata	<i>Pirumov</i>
Intermission	
Ballade No. 1 in G Minor, Opus 23	<i>Chopin</i>
Phantasiestücke, Opus 12	<i>Schumann</i>
Des Abends	
Aufschwung	
Warum?	
Grillen	
In der Nacht	
Fabel	
Traumes-Wirren	
Ende vom Lied	
Grand Etude No. 6 in A Minor after Paganini	<i>Liszt</i>

## NEWCOMERS' CLUB MEETING

The Newcomers' Club will meet on Thursday, November 21st at 10:00 a.m. at the home of Mrs. Lionel Stevenson, 3106 Devon Road, Hope Valley. The speaker will be Camilla R. Bittle, Author.

## PHYSIOLOGY SEMINAR ....

The Department of Physiology will hold a seminar on Thursday, November 21st at 4:00 p.m. in Room M-204 Medical Center. Dr. William P. Jencks, Graduate Department of Biochemistry, Brandeis University, will speak on "The Effect of Denaturing Agents and Salts on Proteins and Model Compounds."

## GRADUATE FACULTY MEETING

The Graduate Faculty will meet on Thursday, November 21st at 4:00 p.m. in Room 208 Flowers Building.

## ROBERT M. BRODERSON ART EXHIBITION

The Student Union and the Department of Art are sponsoring jointly an exhibition of recent works by Robert M. Broderson. The exhibition which will run from Thursday, November 21st through Sunday, December 15th is in two sections: paintings will be displayed in the Gallery of the Woman's College Library, East Campus, and drawings and lithographs will fill the Alumni Lounge Gallery of the Union Building of West Campus.

Mr. Broderson is a well known figure on campus, being an Associate Professor in the Art Department and Director of its studio program. His career as a professional artist began even before he received his Bachelor of Arts from Duke in 1950. Over the last 15 years, his works have been shown and have received awards in innumerable regional and national exhibitions including frequent one man shows in New York and elsewhere. His work, reproductions of which have appeared in leading art periodicals, have entered many private collections and such public collections as the Whitney Museum in New York, the Wadsworth Atheneum in Hartford, and the University Museum at Princeton. The Duke University Press will publish in the Spring of 1964 a volume devoted to his drawings.

## GALLERY COFFEE

Students, faculty, and members of the community will have an opportunity to meet the artist, or to renew their acquaintance with him, at an informal Gallery Coffee in the Alumni Lounge next Thursday afternoon, November 21st between the hours of 4:30 and 5:30 p.m. and are extended a cordial invitation by the host group, the Student Union Fine Arts Committee.

## PI SIGMA ALPHA PRESENTS

### DR. W. W. KULSKI

Pi Sigma Alpha, the political science honorary organization, will meet on Thursday, November 21st at 6:30 p.m. in Room 204 East Duke Building. Dr. Wladyslaw W. Kulski will speak on "The Coalition Crisis." Dr. Kulski, recently appointed visiting

James B. Duke Professor of Russian Affairs, was the Polish negotiator in London, England of the British-Polish Treaty of Mutual Assistance in 1939 which was the diplomatic basis for Great Britain's declaration of war on Nazi Germany when Hitler's troops marched into Poland, Dr. Kulski's homeland. He served in a number of important capacities while with the Polish diplomatic service from 1928 to 1945. Dr. Kulski participated in the League of Nations as a legal and political expert. His books include: "Problems of International Security," "The Soviet Regime, Communism in Practice," "Peaceful Coexistence: An Analysis of Soviet Foreign Policy," and "Germany from Defeat to Conquest." A question and answer period will follow. All interested persons are invited to attend.

## FACULTY CLUB SQUARE DANCE

The Faculty Club will sponsor a Folk and Square Dance Party in the Woman's College gymnasium on Thursday, November 21st, at 8:15 p.m. It is not necessary to have a partner to attend. All faculty and staff members will be welcome.

## DUKE SYMPHONY ORCHESTRA CONCERT

The Department of Music will present the fall concert of the Duke Symphony Orchestra on Friday, November 22nd at 8:15 p.m. in Page Auditorium. Allan Bone will conduct. Featured on the program will be guest pianist, Susan Starr, who will perform with the Orchestra the "Concerto No. 4 in G Major for Piano and Orchestra, Opus 58" by Beethoven. Miss Starr is an internationally known young pianist and the winner in 1962 of the International Tchaikovsky Competition in Moscow, and has performed extensively both here and abroad.

Admission will be the presentation of a Duke Symphony Orchestra season ticket or the purchase of a one dollar ticket at the door. Advance ticket sales will be in Room 106 Asbury Building at fifty cents each.

The program will be as follows:

Toccata (Adagio) and Fugue in C Major *Bach-Weiner*  
Symphony No. 8 in F Major, Opus 93 *Beethoven*

Allegro vivace e con brio

Allegretto scherzando

Tempo di Menuetto

Allegro vivace

Intermission

Concerto No. 4 in G Major for Piano and Orchestra, Opus 58 *Beethoven*

Allegro moderato

Andante con moto

Rondo: Vivace

Susan Starr, *Soloist*

Variations, Chaconne and Finale (1948) *Norman Dello Joio*

## ART EXHIBITION

On view until November 19th in the Gallery of the Woman's College Library is a loan exhibition of American Paintings from the collection of Mr. Harry L. Dalton of Charlotte, North Carolina. Mr. Dalton,



whose private collection of works of art, numbers some three hundred items, is an alumnus of Duke, Class of 1916. Since that time he has pursued a notably successful career in the world of business and finance. It is a measure of Mr. Dalton's activity that, despite his official retirement, he still serves as a director of some three dozen corporations. It is in his "spare time" that he follows his interest in collecting and oversees his philanthropic activities in connection with art programs and art centers in a number of colleges and universities.

The current exhibition is drawn from the American portion of Mr. Dalton's collection and the works included range in date over the last century and a half, as represented by such noted painters as Eakins, Sully, Sargent, Inness and members of the Eight. Later it is hoped that the European portions of his collection may be shown. Under the joint auspices of the Department of Art and the Student Union all exhibitions are open to the public without charge.

Also on display until Tuesday, November 19th in the Gallery of the Alumni Lounge, West Union Building, an exhibition may be seen of the Graphic Art of Rudy Pozzatti, distinguished American Artist. The showing is under the auspices of the Student Union and is on loan from the Jane Haslem Gallery in Chapel Hill. The recipient of numerous major awards, Mr. Pozzatti has a wide reputation in Europe as well as in America. His work is represented in major public and private collections both here and abroad including The Fogg Art Museum, Cambridge, Massachusetts; The Library of Congress, The Museum of Modern Art, The Philadelphia Museum of Art, The Metropolitan Museum of Art, and The Art Institute of Chicago.

The works on exhibition include a selection of woodcuts, etchings, lithographs and engravings by this talented young artist.

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### DINING HALL ANNOUNCEMENT

The Duke University Dining Halls will serve the traditional Thanksgiving Day buffet from 5:00 to 7:00 p.m. in the University Room. Since the event has become so popular with those students who must remain on campus during the holiday period, we have reduced the cost of the Oak Room dinner by fifty cents, where the same menu is offered and encourage families to use the Oak Room so they may be served more leisurely.

### DUKE CHRONICLE CIRCULATION

Copies of the Duke Chronicle are being left in Allen Building, West Library, East Duke and West Duke for the convenience of interested faculty members.

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### HOSPITALITY FOR INTERNATIONAL STUDENTS

The Duke National Students Association is sponsoring a program to allow as many International Students as possible to eat Thanksgiving Dinner with a member of the Faculty. If you are interested in participating, contact 207-A Flowers Building, ext. 2767.

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### ADVANCE NOTICE DURHAM CIVIC CHORAL SOCIETY AND THE TRIANGLE SYMPHONY ORCHESTRA CONCERT

The Durham Civic Choral Society and the Triangle Symphony Orchestra will perform Puccini's *Messa di Gloria* and Bach's *Cantata 150* ("Lord, to Thee") on Monday, November 25th, at 8:15 p.m. in the Woman's College Auditorium. The concert will be conducted by Dr. Paul Bryan. John Hanks will sing the tenor solos. The entire Duke Community is invited, and admission is free.

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### ADVANCE NOTICE 11TH ANNUAL CEREBRAL PALSY FOOTBALL CLASSIC

Thanksgiving Day, November 28th  
Duke-Maryland Freshmen Game, 2:00 p.m.  
Preceded by Midget Game at 12:00  
Advance Tickets, \$1.00  
Gate Tickets, \$1.50  
Gate Prize: Glasspar boat, Evinrude motor,  
and trailer: Courtesy, London Marina  
Sponsored by the Durham Cerebral Palsy Foundation  
and the Durham Junior League

All proceeds from this game will be used for improvements and comforts for the children from all over the state at the North Carolina Cerebral Palsy Hospital and School in Durham, and for projects for the children of Durham such as the Children's Museum, Allied Arts, Boys' Club, playgrounds in underprivileged areas, and programs in all the schools of Durham City and County.

WEEK OF  
Nov. 24-30, 1963

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# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, November 24

Denominational Meetings. See special notice.

- 10:30-10:45 a.m. Carillon Recital. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University. Sermon: "Savonarola in the Duke Chapel." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, November 25

- 2:00 p.m. The final examination of Mr. Tyler Deierhoi for the Ph.D. degree in History. Library Conference Room.
- 4:15 p.m. Zoology Seminar. Speaker: Dr. Don W. Hayne. Auditorium Biological Sciences Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 8:00 p.m. Y.W.C.A. Open Forum. Speaker: Norman Whitney. Music Room, East Duke Building.
- 8:15 p.m. Durham Civic Choral Society Fall Concert. Woman's College Auditorium.

### Tuesday, November 26

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor M. Wilson Nesbitt.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.

1:30 p.m. The final examination of Mr. Michael Bassett for the Ph.D. degree in History. Room 235 Allen Building.

2:00 p.m. The final examination of Miss M. Clelia Ganoza for the Ph.D. degree in Biochemistry. Room 1537 Gerontology Building.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

4:00 p.m. Mathematics Seminar. Speaker: Dr. Donald S. Burdick. Room 114 Physics Building.

4:00 p.m. Academic Council Meeting. Speaker: Dean Barnes Woodhall. Room 208 Flowers Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

6:30 p.m. Inter-Varsity Christian Fellowship Meeting. Speaker: Reverend Jim Raines. Music Room East Duke Building.

7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.

### Wednesday, November 27

10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Professor M. Wilson Nesbitt, Celebrant.

12:30 p.m. Beginning of Thanksgiving Recess.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Tuesday, Extension 2911.



- 2:30 p.m. The final examination of Mr. David C. Rorer for the Ph.D. degree in Physics. Room 218 Physics Building.
- 4:00 p.m. The final examination of Mr. L. Douglas DeNike for the Ph.D. degree in Psychology. Room 222 Psychology, Sociology Building.
- NOTE: No Quadrangle Pictures will be shown this week.

## Thursday, November 28

- 9:30 a.m. Thanksgiving Day Holy Communion. Episcopal University Center, Alexander Avenue.
- 2:00 p.m. Cerebral Palsy Football Classic. Duke versus Maryland Freshmen. Stadium.
- 5:00-7:00 p.m. Thanksgiving Day Buffet. University Room and Oak Room. West Campus.
- 5:30-6:15 p.m. Thanksgiving Dinner. Gilbert-Addoms Dining Room. East Campus.

## Friday, November 29

- 5:30-6:15 p.m. Buffet Dinner. Gilbert-Addoms Dining Room.

## Saturday, November 30

NOTE: No Quadrangle Pictures will be shown this week.

- 8:15 p.m. Varsity Basketball: Duke versus Penn State. Indoor Stadium.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Friday, December 6, Center, Participants and leader for Pearl Lagoon aspect of Project Nicaragua will show slides and discuss the project—past, present and future. Any prospective participants for next summer are urged to attend. Supper at 6:15 P.M., program at 7:00.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL CENTER:** Sunday, 9:30 A.M., Chapel of St. Michael at the Center, Holy Communion; 6:15 P.M., Center, Evensong. Monday, 7:00 P.M., Center, Evenings of Dialogue. Wednesday, 7:10 A.M., Chapel of St. Michael, Holy Communion (no afternoon service).

There will be a Thanksgiving Day Service of Holy Communion for the University at the Episcopal Center at 9:30 A.M. All members of the University community are invited to participate.

**LUTHERAN STUDENT ASSOCIATION:** Sunday, 6:00 P.M., Grace Lutheran Church, 824 Buchanan Blvd., Supper Meeting—Evening of Fellowship is planned.

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Freshman Forum, Snack Breakfast and Discussion of

Samuel Beckett's **Waiting for Godot**; 6:00 P.M., Center, Evening Prayer. The contemporary Word will be a chance drama, **Impromptu** by Tad Mosel. A discussion of the play will follow the service. Tuesday, 7:00 P.M., Center, Seminar on "The Meaning of Freedom." The Thursday seminar, "Contemporary Criticisms of Christianity," will **not** meet this week.

### UNITED CAMPUS CHRISTIAN FELLOWSHIP:

Sunday, 5:30 P.M., home of Mr. and Mrs. John Carey, 2209 Morehead Avenue. The program for the evening will be a discussion of chapter 2 of John A. T. Robinson's book, **Honest to God**. Transportation will leave the Chapel steps, the East Campus circle and Hanes House at 5:15 P.M. Thursday, 12:40 P.M., Luncheon at Gilbert-Addoms Dining Hall on East Campus.

**WESTMINSTER FELLOWSHIP:** Sunday, 5:30 P.M., Westminster House, Vespers and a Buffet Supper. Rev. Charles Williams will lead a discussion after supper.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, November 24th in the University Chapel. His subject will be "Savonarola in the Duke Chapel." The order of worship follows:

Presiding Minister: The Reverend Professor James T. Cleland, Dean of the Chapel  
 Lector: The Reverend William R. Patton, Chaplain to Lutheran Students  
 Opening Organ Voluntary—Kleine Präludien and Intermezzi *Hermann Schroeder*  
 Choral Call to Worship—"The Lord Is in His Holy Temple" *Calvin W. Laufer*  
 Hymn—"O For A Thousand Tongues To Sing" *Carl G. Glaser*  
 The Prayer of Adoration  
 The Lord's Prayer  
 Anthem—"Creation" from *Three Fuging Tunes* *William Billings*  
 Scripture Lesson—I Corinthians 6 (selected verses)  
 Hymn—"The Church's One Foundation" *Samuel S. Wesley*  
 Call to Prayer  
 The Pastoral Prayer of Confession, Thanksgiving, Intercession, Petition, and Dedication  
 The Offering  
 Offertory Organ Interlude  
 Anthem—"Be Glad Then, America" from *Three Fuging Tunes* *William Billings*  
 Response—The Doxology  
 Prayer of Dedication  
 Sermon—"Savonarola in the Duke Chapel"  
 Prayer  
 Benediction  
 Choral Response—"Sevenfold Amen" *John Stainer*  
 The Chimes  
 Closing Organ Voluntary—Sketch in C Major *Robert Schumann*

The regular University Service of Worship will not be held in Duke Chapel next Sunday, December 1st, due to the Thanksgiving academic recess. Instead, there will be a thirty minute service of organ music, Scripture readings and prayers, beginning at 11:00 a.m.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Tyler Deierhoi for the Ph.D. degree in History will be held on Monday, November 25th at 2:00 p.m. in the Library Conference Room. The subject of Mr. Deierhoi's dissertation is "The Conduct of German Policy at the General Disarmament Conference of 1932." The committee to conduct the examination consists of Professors Joel Colton, William B. Hamilton, William E. Scott, Richard L. Watson, and Robert S. Rogers. Professor Colton will preside.

### **ZOOLOGY SEMINAR**

The Zoology Department will hold its weekly seminar on Monday, November 25th at 4:15 p.m. in the Auditorium of the Biological Sciences Building. Dr. Don W. Hayne, Institute of Statistics, North Carolina State College will speak on "Experimentation in Field Ecology." Coffee and tea will be served in the foyer.

### **DURHAM CIVIC CHORAL SOCIETY FALL CONCERT**

The Durham Civic Choral Society will present its 15th annual fall concert on Monday, November 25th at 8:15 p.m. in Woman's College Auditorium. The program, under the direction of Paul Bryan, will feature John Hanks as soloist. The public is cordially invited to attend and admission is free.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Michael Bassett for the Ph.D. degree in History will be held on Tuesday, November 26th at 1:30 p.m. in Room 235 Allen Building. The subject of Mr. Bassett's dissertation is "The Socialist Party of America, 1912-1919: Years of Decline." The committee to conduct the examination consists of Professors Richard L. Watson, Jr., William B. Hamilton, Harold T. Parker, Robert F. Durden and John H. Hallowell. Professor Watson will preside.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Miss M. Clelia Ganoza for the Ph.D. degree in Biochemistry will be held on Tuesday, November 26th at 2:00 p.m. in Room 1537 Gerontology Building. The subject of Miss Ganoza's dissertation is "The Role of Lipid in Glucose-6-Phosphatase." The committee to conduct the examination consists of Professors William L. Byrne, Ronald C. Greene, William S. Lynn, Jack L. Kostyo, and John H. Saylor. Professor Byrne will preside.

### **ACADEMIC COUNCIL MEETING**

The Academic Council which normally meets on the fourth Thursday of each month, will hold its meeting on Tuesday, November 26th at 4:00 p.m. in Room 208 Flowers Building due to the Thanksgiving Recess. Dean Barnes Woodhall will speak to the group about some of the long-range plans of the Medical Center.

### **MATHEMATICS SEMINAR**

The Mathematics Department will hold a seminar on Tuesday, November 26th at 4:00 p.m. in Room 114 Physics Building. Dr. Donald S. Burdick will speak on "Testing Similarity of Linked Observations." Coffee will be served in Room 120 Physics Building at 3:30 p.m.

### **INTER-VARSITY CHRISTIAN FELLOWSHIP MEETING**

The Inter-Varsity Christian Fellowship will meet on Tuesday, November 26th at 6:30 p.m. in the Music Room East Duke Building. Reverend Jim Raines will speak on "Casual Christian—A Contradiction."

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. David C. Rorer for the Ph.D. degree in Physics will be held on Wednesday, November 27th at 2:30 p.m. in Room 218 Physics Building. The subject of Mr. Rorer's dissertation is "Thermodynamic Properties of Superconducting and Normal Molybdenum." The committee to conduct the examination consists of Professors Horst Meyer, Henry A. Fairbank, A. B. Harris, Walter Gordy, and T. M. Gallie. Professor Meyer will preside.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. L. Douglas DeNike for the Ph.D. degree in Psychology will be held on Wednesday, November 27th at 4:00 p.m. in Room 222 Psychology-Sociology Building. The subject of Mr. DeNike's dissertation is "Awareness in Verbal Conditioning: The Assessment of Awareness from Verbal Reports Written by Subjects During Conditioning." The committee to conduct the examination consists of Professors C. D. Spielberger, C. A. Boneau, Norman Guttman, Alan Kerckhoff, and K. E. Zener. Professor Spielberger will preside.

### **THANKSGIVING DAY HOLY COMMUNION**

There will be a Thanksgiving Day Service of Holy Communion at the Episcopal University Center on Alexander Avenue. The service will be at 9:30 a.m. on Thursday morning and all members of the University Community are cordially invited to participate.



## 11TH ANNUAL CEREBRAL PALSY FOOTBALL CLASSIC

Thanksgiving Day, November 28th  
Duke-Maryland Freshmen Game, 2:00 p.m.  
Preceded by Midget Game at 12:00  
Advance Tickets, \$1.00  
Gate Tickets, \$1.50

Gate Prize: Glasspar boat, Evinrude motor,  
and trailer: Courtesy, London Marina  
Sponsored by the Durham Cerebral Palsy Foundation  
and the Durham Junior League

All proceeds from this game will be used for improvements and comforts for the children from all over the state at the North Carolina Cerebral Palsy Hospital and School in Durham, and for projects for the children of Durham such as the Children's Museum, Allied Arts, Boys' Club, playgrounds in underprivileged areas, and programs in all the schools of Durham City and County.

## DINING HALL ANNOUNCEMENT

The Duke University Dining Halls will serve the traditional Thanksgiving Day buffet from 5:00 to 7:00 p.m. in the University Room. Since the event has become so popular with those students who must remain on campus during the holiday period, we have reduced the cost of the Oak Room dinner by fifty cents, where the same menu is offered and encourage families to use the Oak Room so they may be served

## ROBERT M. BRODERSON ART EXHIBITION

The Student Union and the Department of Art are sponsoring jointly an exhibition of recent works by Robert M. Broderson. The exhibition which will run through Sunday, December 15th is in two sections: paintings will be displayed in the Gallery of the Woman's College Library, East Campus, and drawings and lithographs will fill the Alumni Lounge Gallery of the Union Building of West Campus.

Mr. Broderson is a well known figure on campus, being an Associate Professor in the Art Department and Director of its studio program. His career as a professional artist began even before he received his Bachelor of Arts from Duke in 1950. Over the last 15 years, his works have been shown and have received awards in innumerable regional and national exhibitions including frequent one man shows in New York and elsewhere. His work, reproductions of which have appeared in leading art periodicals, have entered many private collections and such public collections as the Whitney Museum in New York, the Wadsworth Atheneum in Hartford, and the University Museum at Princeton. The Duke University Press will publish in the Spring of 1964 a volume devoted to his drawings.

## DUKE CHRONICLE CIRCULATION

Copies of the Duke Chronicle are being left in Allen Building, West Library, East Duke and West Duke for the convenience of interested faculty members.

## DINING HALLS HOURS— THANKSGIVING HOLIDAYS—1963

"A" Cafeteria will close after lunch on Tuesday, November 26, and reopen for lunch on Monday, December 2.

The Oak Room will close after dinner on Thursday night, November 28, and reopen for lunch on Monday, December 2.

	<i>Blue &amp; White Room</i>	<i>University Room</i>	<i>Oak Room</i>
<i>Wednesday, November 27</i>			
Breakfast	7:00- 9:30	7:15- 9:15	
Snack Bar	9:30-11:00		
Lunch	11:30- 2:00	11:00- 1:30	11:30- 2:00
Dinner	(closed)	5:00- 6:30	5:00- 7:00
<i>Thursday, November 28</i>			
Breakfast		8:00-11:00	
Snack Bar			
Lunch		11:30- 2:00	11:30- 2:00
Dinner		5:00- 7:00 (Buffet)	5:00- 7:00 (Candlelight)
<i>Friday, November 29</i>			
Breakfast		7:30- 9:30	
Snack Bar		9:30-11:00	
Lunch		11:30- 1:30	
Dinner		5:00-6:30	
<i>Saturday, November 30</i>			
Breakfast		7:30- 9:30	
Snack Bar		9:30-11:00	
Lunch		11:30- 1:30	
Dinner		5:00- 6:20	
<i>Sunday, December 1</i>			
Breakfast	8:30-11:00		
Snack Bar			
Lunch	11:30- 1:30		
Dinner	5:00- 7:00		

## LIBRARY HOURS FOR THANKSGIVING RECESS

Thanksgiving Day, November 28th, will be a holiday. All libraries will remain closed.

The General Library will be open and operating according to the following schedule during the Thanksgiving recess:

Wednesday, November 27	8:00 a.m.-5:00 p.m.
Thursday, November 28	closed
Friday, November 29	8:00 a.m.-5:00 p.m.
Saturday, November 30	8:00 a.m.-1:00 p.m.
Sunday, December 1	closed
Monday, December 2	Resume regular schedule

Woman's College Library will follow the following schedule:

Wednesday, November 27	8:00 a.m.-5:00 p.m.
Thursday, November 28	closed
Friday, November 29	9:00 a.m.-5:00 p.m.
Saturday, November 30	9:00 a.m.-1:00 p.m.
Sunday, December 1	closed
Monday, December 2	Resume regular schedule

Schedules for other campus libraries will be posted in those libraries.

## **HOSPITALITY FOR INTERNATIONAL STUDENTS**

The Duke National Students Association is sponsoring a program to allow as many International Students as possible to eat Thanksgiving Dinner with a member of the Faculty. If you are interested in participating, contact 207-A Flowers Building, ext. 2767.

## **ADVANCE NOTICE DUKE LAW SCHOOL LEGISLATIVE REAPPORTIONMENT CLINIC**

On Monday, December 2nd, the Duke Law School will present a clinic on legal and practical problems in the field of legislative reapportionment. At 10:00 a.m., Professor Robert G. Dixon, of the George Washington University School of Law, will speak in the Law School Court Room on the legal problems currently facing the Supreme Court in its efforts to lay down a Constitutional standard for legislative apportionment. At 12:30 p.m., a luncheon will be held in the Men's Graduate Center. Mr. Hugh Cannon, Director of the North Carolina State Department of Administration, will speak on the practical and political problems encountered in recent efforts to redistrict the North Carolina Legislature. All members of the Duke University Community are invited to attend both sessions of the Clinic.

## **ADVANCE NOTICE ERASMUS CLUB MEETING**

The Erasmus Club will have a meeting on Monday, December 2nd at 8:00 p.m. in the Green Room of East Duke Building. Professor N. L. Wilson, Associate Professor of Philosophy, will speak on "Philosophy and Mathematics: Love Affair or Sibling Rivalry?" The public is cordially invited to attend.

## **ADVANCE NOTICE STUDENT UNION SPEAKERS SERIES SERGE LENTZ ON RED CHINA**

The Student Union Major Speakers Series announces the second Major Speaker of the academic year; it is Serge Lentz, editor of the *Paris Match* magazine and award winning foreign correspondent. Mr. Lentz will address the University Community on Monday, December 2nd at 8:15 p.m. in Page Auditorium. His address entitled "Impatient Giant: Red China" will concern itself with his recent trip into Red China when he spent three weeks traveling in and around the sprawling cities of Shanghai, Canton and Peking posing as a textile buyer and left the Peoples' Republic only after a frightening evening of interrogation by two Chinese Secret Service agents.

Since returning from his saga, Lentz has been the object of relentless pursuit from national news media in this country. The interest in him is understandable since he is one of a handful of Western journalists who have gotten into and out of Red China in

the past decade. C.B.S. television, the Saturday Evening Post, Newsweek Magazine and the German and European television networks have conducted or arranged interviews or features on his unique journey.

All Student Union Major Speakers addresses are open to the public without charge. Opportunities for individual questioning is afforded through the question and answer period following the address as well as the open informal reception in Flowers Lounge.

## **ADVANCE NOTICE GOLDOVSKY GRAND OPERA THEATER**

The Goldovsky Grand Opera Theater will perform Puccini's "Tosca" on Tuesday, December 3rd at 8:15 p.m. in Page Auditorium under the auspices of the Artists Series.

With a company of fifty including orchestra and chorus, Boris Goldovsky presents "Tosca" in English, fully staged with handsome sets and costumes. Puccini's compelling and vital drama, one of the most exciting of all Grand Operas, combines some of the composer's most memorable arias with a vivid and dramatic tale of love, murder, and tragedy.

Tickets are priced at \$2.50 and \$2.00 and are available in Room 202-A Flowers Building or call extension 2911.

## **ADVANCE NOTICE JOSIAH C. TRENT MEDICAL HISTORY SOCIETY**

The Josiah C. Trent Medical History Society will have a meeting on Wednesday, December 4th at 8:00 p.m. in the Rare Book Room of the University Library. Professor Weston LaBarre will be the guest speaker. His subject will be "Homo Sapiens: Unique Animal."

## **ADVANCE NOTICE ART DEPARTMENT LECTURE**

The Art Department announces a lecture sponsored by The Mary Duke Biddle Foundation on Thursday, December 12th at 8:15 p.m. in Room 204 East Duke Building. Professor Robert Chester Smith, Professor of the History of Art, University of Pennsylvania, will speak on "Portuguese Architecture, 1500-1800."

In addition, Professor Smith will give an informal talk dealing with his latest researches, "History of Portuguese Wood Sculpture" on Friday, December 13th at 11:40 a.m. in Room 208 Flowers Building. The public and all interested students and faculty are cordially invited to attend.

## **CALENDAR NOTICES**

It is requested that all information to be run in the University Weekly Calendar for December 1-7 be in to the Calendar Office, 202-A Flowers Building by 1:00 p.m. on Tuesday, November 24th.





WEEK OF  
Dec. 1-7, 1963

WEEK OF  
Dec. 1-7, 1963

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, December 1

Denominational Meetings. See special notice.

11:00-11:30 a.m. University Service of Worship.  
University Chapel. Organ music, Scripture  
readings, and prayers.

### Monday, December 2

10:00 a.m. Legislative and Reapportionment Clinic.  
Speaker: Professor Robert G. Dixon. Law  
School Courtroom.

12:30 p.m. Legislative and Reapportionment Clinic  
Luncheon. Speaker: Mr. Hugh Cannon. Men's  
Graduate Center.

4:15 p.m. Zoology Seminar. Speaker: Professor  
Julius DuBar. Auditorium Biological Sci-  
ences Building.

5:00-6:00 p.m. East Campus Pool open for women:  
faculty, staff members, and students.

5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.

8:00 p.m. Erasmus Club Meeting. Speaker: Pro-  
fessor N. L. Wilson. Green Room, East Duke  
Building.

8:15 p.m. Student Union Speakers Series presents  
Serge Lentz. Page Auditorium. Topic: "Im-  
patient Giant: Red China."

### Tuesday, December 3

10:10 a.m. Divinity School Chapel. York Chapel.  
Professor Waldo Beach.

12:30-1:30 p.m. Faculty and Graduate Students  
Volleyball. Indoor Stadium.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room  
109 Asbury Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal.  
Room 208 Asbury Building.

5:00-6:00 p.m. East Campus Pool open for women:  
faculty, staff members, and students.

7:00 p.m. S. U. Pre-Artist Series Seminar. Music  
Lounge, Flowers Building. Speaker: Mr. John  
Hanks.

7:30 p.m. Duke Fencing Club Meeting. Main Floor,  
Card Gymnasium.

8:15 p.m. Artist Series presents: Goldovsky Grand  
Opera Theater: "Tosca." Page Auditorium.

### Wednesday, December 4

10:10 a.m. Divinity School Chapel. York Chapel.  
Professor Waldo Beach.

11:00 a.m. Divinity School Lecture. Speaker: Dr.  
Ragnar Bring. York Chapel.

2:00-4:30 p.m. Physical Therapy and Occupational  
Departments Open House. Rooms 042-45,  
Medical Center.

4:15 p.m. Botany Seminar. Speaker: Dr. John W.  
Duffield. Auditorium Biological Sciences  
Building.

5:00-6:00 p.m. East Campus Pool open for women:  
faculty, staff members, and students.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted  
IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later  
than 1:00 p.m., Wednesday, Extension 2911.



- 6:30-11:00 p.m. Gothic Bookshop Auction. Room 208 Flowers Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:15 p.m. Quadrangle Pictures. Page Auditorium. "Billy Budd" with Robert Ryan, Peter Ustinov, Melvyn Douglas, and Terence Stamp. Herman Melville's exciting masterpiece in cinemascope. "Magnificent sea story!"—*New Yorker Mag.* "Vivid, beautiful!"—*Time Mag.*
- 8:00 p.m. Josiah C. Trent Medical History Society. Speaker: Professor Weston LaBarre. Rare Book Room, University Library.

## Thursday, December 5

- 10:00 a.m. Newcomers' Club Christmas Party. Y.M.C.A. 515 West Chapel Hill Street.
- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. William F. Mahon.
- 11:30 a.m. Interplanetary Spacecraft Design Lecture. Speaker: Mr. W. J. Schimandle. Lecture Room Engineering Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:00 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:00 p.m. Phi Beta Kappa Fall Initiation. Union Ballroom, West Campus.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, December 6

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Waldo Beach and Mr. William E. Nickle.
- 3:00 p.m. Economics Public Lecture; Professor W. C. S. Leys. Court Room, Law School Building.
- 3:00 p.m. Political Science Graduate Seminar. Room 208 Flowers Building. Speaker: Dean Zelman Cowen, Law School, University of Melbourne.
- 4:00 p.m. Chemistry Staff Seminar. Speaker: Dr. Samuel P. Massie. Room 01 Chemistry Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campns Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

- 8:15 p.m. Music Department Student Voice Recital. Music Room, East Duke Building.
- 8:15 p.m. The Creative Arts Festival: "Hansel and Gretel." Page Auditorium.
- 9:00 p.m.-1:00 a.m. Hanes House Christmas Dance. Elks Club.

## Saturday, December 7

- 3:00 p.m. Contemporary Arts Festival: "Hansel and Gretel." (Matinee Performance) Page Auditorium.
- 7:00 and 9:15 p.m. Quadrangle Pictures. Page Auditorium. "Billy Budd" with Robert Ryan, Peter Ustinov, Melvyn Douglas, and Terence Stamp. Herman Melville's exciting masterpiece in cinemascope. "Magnificent sea story!"—*New Yorker Mag.* "Vivid, beautiful!"—*Time Mag.*
- 8:15 p.m. Chamber Arts Society presents The Juilliard String Quartet. Music Room, East Duke Building.

### UNIVERSITY SERVICE OF WORSHIP

The regular University Service of Worship will not be held in Duke Chapel this Sunday, December 1st, due to the Thanksgiving academic recess. Instead, there will be a thirty minute service of organ music, Scripture readings and prayers, beginning at 11:00 a.m.

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, December 8th is the Reverend Dr. Elfan Rees, Geneva, Switzerland.

### DUKE LAW SCHOOL LEGISLATIVE REAPPORTIONMENT CLINIC

On Monday, December 2nd, the Duke Law School will present a clinic on legal and practical problems in the field of legislative reapportionment. At 10:00 a.m., Professor Robert G. Dixon, of the George Washington University School of Law, will speak in the Law School Court Room on the legal problems currently facing the Supreme Court in its efforts to lay down a Constitutional standard for legislative apportionment. At 12:30 p.m., a luncheon will be held in the Men's Graduate Center. Mr. Hugh Cannon, Director of the North Carolina State Department of Administration, will speak on the practical and political problems encountered in recent efforts to redistrict the North Carolina Legislature. All members of the Duke University Community are invited to attend both sessions of the Clinic.

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### ZOOLOGY SEMINAR

The Zoology Department will hold its seminar on Monday, December 2nd at 4:15 p.m. in the Auditorium of the Biological Sciences Building. Professor Julius DuBar, Department of Geology, will speak on "Neogene Paleocology of the Southeastern United States." Coffee and tea will be served in the foyer at 4:00 p.m.

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### ERASMUS CLUB MEETING

The Erasmus Club will have a meeting on Monday, December 2nd at 8:00 p.m. in the Green Room of East Duke Building. Professor N. L. Wilson, Associate Professor of Philosophy, will speak on "Philosophy and Mathematics: Love Affair or Sibling Rivalry?" The public is cordially invited to attend.

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### STUDENT UNION SPEAKERS SERIES SERGE LENTZ ON RED CHINA

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All Student Union Major Speakers addresses are open to the public without charge. Opportunities for individual questioning is afforded through the question and answer period following the address as well as the open informal reception in Flowers Lounge.

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### PRE-ARTIST SERIES SEMINAR JOHN HANKS ON "TOSCA"

On Tuesday, December 3rd the Student Union will hold an open seminar immediately prior to the Artist Series performance of "Tosca," at 7:00 p.m. in the Music Lounge of Flowers Building. Professor John Hanks of the Department of Music will discuss the art form involved as well as the specific opera. Those attending the seminars in the past have attested to their greater enjoyment of the concerts because of the information gained through their attendance.

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### GOLDOVSKY GRAND OPERA THEATER

The Goldovsky Grand Opera Theater will perform Puccini's "Tosca" on Tuesday, December 3rd at 8:15 p.m. in Page Auditorium under the auspices of the Artists Series.

With a company of fifty including orchestra and chorus, Boris Goldovsky presents "Tosca" in English, fully staged with handsome sets and costumes. Puccini's compelling and vital drama, one of the most exciting of all Grand Operas, combines some of the composer's most memorable arias with a vivid and dramatic tale of love, murder, and tragedy.

Tickets are priced at \$2.50 and \$2.00 and are available in Room 202-A Flowers Building or call extension 2911.

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### DIVINITY SCHOOL LECTURE

Dr. Ragnar Bring, Professor Emeritus of Systematic Theology of the University of Lund, Sweden, will present a lecture in York Chapel of the Divinity School on Wednesday, December 4th at 11:00 a.m.

Professor Bring is at present Visiting Professor at the University of Chicago Divinity School. He represents the Lundsian School of Theology. His major contributions to theology are in the field of Theological Methodology and in Luther research. The topic for his lecture is "Conditions for Preaching in an Atheistic Age." The public is invited to attend.

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### PHYSICAL THERAPY AND OCCUPATIONAL DEPARTMENTS OPEN HOUSE

The Physical Therapy and Occupational Departments cordially invites the members of the Duke University Community to attend an Open House in its new quarters in Rooms 042-45 Medical Center, on Wednesday, December 4th, from 2:00-4:30 p.m. In addition to a tour of the department and demonstrations of physical therapy procedures, there will be an opportunity for those interested in a career in physical therapy to talk with faculty members about educational requirements.

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### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, December 4th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. John W. Duffield will speak on "Some Forest Problems and Practices in Yugoslavia."

Dr. Duffield, Professor of Forestry at North Carolina State College, is a Cornell graduate with an M.F. from Harvard and a Ph.D. (genetics) from California. He has held positions with the U. S. Forest Service, the University of Washington, and the Industrial Forestry Association. His interests have been in tree improvement by applications of



genetics. His report on forestry in Yugoslavia results from his visit there last summer as an AID representative.

Refreshments will be served in the foyer at 4:00 p.m.

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### **GOTHIC BOOKSHOP AUCTION**

The Fifteenth Book and Art Auction of the Gothic Bookshop will take place on Wednesday, December 4th from 6:30 p.m. until 11:00 p.m. in Room 208 Flowers Building. The articles to be auctioned will be on display from 9:00 a.m. on the day of the sale. There will be a variety of scarce and interesting books, and decorative old maps, fine prints, and drawings for sale.

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### **JOSIAH C. TRENT MEDICAL HISTORY SOCIETY**

The Josiah C. Trent Medical History Society will have a meeting on Wednesday, December 4th at 8:00 p.m. in the Rare Book Room of the University Library. Professor Weston LaBarre will be the guest speaker. His subject will be "Homo Sapiens: Unique Animal."

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### **MUSIC DEPARTMENT STUDENT VOICE RECITAL**

The Department of Music will present a voice recital by students of John Hanks on Friday, December 6th, at 8:15 p.m. in the Music Room, East Duke Building. Participating in the program will be Karen Lundry, soprano; Sally Blackwell, mezzo-soprano; Marjorie Randolph, soprano; Yugo Suzuki, baritone and Ronald Steed, baritone. Mrs. Ruth Friedberg of the Department of Music will be at the piano. The University Community and the general public are cordially invited to attend.

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### **POLITICAL SCIENCE GRADUATE SEMINAR**

The Political Science Graduate Seminar will meet on Friday, December 6th, at 3:00 p.m. in Room 208 Flowers Building. Dean Zelman Cowen of the Law School of the University of Melbourne will speak on "Treaty Making and Treaty Enforcement in the Federal States of the British Commonwealth."

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### **NEWCOMERS' CLUB CHRISTMAS PARTY**

The Newcomers' Club will hold a Christmas Party honoring its international members on Thursday, December 5th at 10:00 a.m. at the Y.W.C.A. 515 West Chapel Hill Street. Four of the international wives will describe the Christmas or New Year's festivities in their native lands. The second part of the program will consist of a demonstration by the home economist from the Duke Power Company on the construction of Christmas decorations.

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### **ART DEPARTMENT LECTURE**

The Art Department announces a lecture sponsored by The Mary Duke Biddle Foundation on Thursday, December 12th at 8:15 p.m. in Room 204 East Duke Building. Professor Robert Chester Smith, Professor of the History of Art, University of Pennsylvania, will speak on "Portuguese Architecture, 1500-1800."

In addition, Professor Smith will give an informal talk dealing with his latest researches, "History of Portuguese Wood Sculpture" on Friday, December 13th at 11:40 a.m. in Room 208 Flowers Building. The public and all interested students and faculty are cordially invited to attend.

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### **INTERPLANETARY SPACECRAFT DESIGN LECTURE**

Mr. W. J. Schimandle, Section Chief of the Mariner Spacecraft Development program of the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, will present a special talk on Thursday, December 5th entitled "Progress and Problems in Interplanetary Spacecraft Design." The lecture will be given from 11:30 a.m. to 12:30 p.m. in the Lecture Room, Engineering Building.

Mr. Schimandle is bringing models and samples of spacecraft materials and components with him and will illustrate his talk with numerous pictures. One of the most qualified individuals in the country in the design of spacecraft, Mr. Schimandle will describe the interesting and difficult problems of spacecraft missions to Venus and Mars.

All interested persons are invited to attend.

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### **PHI BETA KAPPA FALL INITIATION**

Phi Beta Kappa will hold its annual fall initiation on Thursday, December 5th at 8:00 p.m. in the Union Ballroom, West Campus. All members are urged to be present and all initiates must be present. Those who have a part in the program must be present.

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### **CREATIVE ARTS COMMITTEE PRESENTS HUMPERDINCK'S HANSEL AND GRETEL**

On Friday, December 6th at 8:15 p.m. and on Saturday, December 7th at 3:00 p.m. the Creative Arts Committee will present an adaptation of Humperdinck's opera *Hansel and Gretel*. The student members of the University Symphony Orchestra will play for this production. The cast includes Jean Mayo ('66), Frank Glass ('67), and Mike Schipke ('67) and will be performed in Page Auditorium.

Tickets will be on sale the week of the performance in the Main Quad of West Campus and at Page Box Office the two days of production. Seats are non-reserved at \$1.00 for adults and \$.50 for children, 12 years and under. Pat Mauney ('65) may be contacted for further information.

## ECONOMICS PUBLIC LECTURE

Professor W. C. S. Leys, formerly Dean of the Faculty of Commerce and now Senior Lecturer in charge of Commercial Law at the University of Auckland, New Zealand, will give a public lecture in the Court Room of the Law School at 3:00 p.m. on Friday, December 6th. His topic will be "Scope and Effect of the Social Security System in New Zealand."

## CHEMISTRY STAFF SEMINAR

Dr. Samuel P. Massie, President of North Carolina College, Durham, will speak at the Chemistry Staff Seminar on Friday, December 6th in Room 01 Chemistry Building at 4:00 p.m. The subject of Dr. Massie's address will be "Will the Key Fit the Lock?" All interested persons are cordially invited to attend.

## CHAMBER ARTS SOCIETY JUILLIARD STRING QUARTET

The Chamber Arts Society will present the second concert of its season to be played by the Juilliard String Quartet on Saturday, December 7th at 8:15 p.m. in the Music Room, East Duke Building. The concert is the fourth to be presented here by the Juilliard Quartet, the first being in March 1955. The musicians are Robert Mann and Isidore Cohen (Violins), Raphael Hillyer (Viola), and Claus Adam (Cello). The program follows:

Beethoven.....Quartet in C-sharp minor, Opus 131  
Irving Fine.....Quartet No. 1  
Mozart.....Quartet in B-flat major, K. 589

Other Chamber Music Concerts scheduled this season include:

January 11 (Saturday).....Hungarian Quartet  
February 8 (Saturday).....Quartetto Italiano  
March 21 (Saturday).....Fine Arts Quartet  
April 11 (Saturday).....New York String Sextet

### Admission:

All membership cards for the current season are subscribed. A guest card for a single admission to any one concert costs \$2.50. About 60 guest cards are available for each concert. They may be obtained at the Music Room door from 7:30 to 8:00 p.m. on concert evenings. Inquiries may be addressed to Chamber Arts Society, c/o Ernest W. Nelson, Box 6065, College Station.

## ROBERT M. BRODERSON ART EXHIBITION

The Student Union and the Department of Art are sponsoring jointly an exhibition of recent works by Robert M. Broderson. The exhibition which will run through Sunday, December 15th is in two sections: paintings will be displayed in the Gallery of the Woman's College Library, East Campus, and drawings and lithographs will fill the Alumni Lounge Gallery of the Union Building of West Campus.

Mr. Broderson is a well known figure on campus, being an Associate Professor in the Art Department and Director of its studio program. His career as a

professional artist began even before he received his Bachelor of Arts from Duke in 1950. Over the last 15 years, his works have been shown and have received awards in innumerable regional and national exhibitions including frequent one man shows in New York and elsewhere. His work, reproductions of which have appeared in leading art periodicals, have entered many private collections and such public collections as the Whitney Museum in New York, the Wadsworth Athenaeum in Hartford, and the University Museum at Princeton. The Duke University Press will publish in the Spring of 1964 a volume devoted to his drawings.

## FRENCH AND SPANISH EXAMINATIONS FOR GRADUATE DEGREES

The French and Spanish examination for candidates for graduate degrees will be given on Friday, January 10th at 4:00 p.m. in Rooms 113 and 114 Physics Building. Candidates should register for this examination no later than Friday, December 20th in the Graduate School Office

## CHRISTMAS PROGRAMS

George Frederick Handel's *The Messiah* will be performed on Sunday, December 8th at 4:00 p.m. and on the following Tuesday, December 10th at 8:00 p.m. in the University Chapel.

This marks the thirty-first annual presentation of Handel's celebrated oratorio by the Choir of the Duke Chapel. The Acting Director, James Young, will direct the Choir, and Mildred L. Hendrix, University Organist, will serve as organist for these presentations. Soloists for the first performance will include: Byung K. Kwon, bass-baritone; John Hanks, tenor; Tina Pfohl, contralto; and Mrs. J. Herbert Waldrop, Jr., soprano. Soloists for the second performance will include: Waller Vassar, bass-baritone; John Hanks, tenor; Tina Pfohl, contralto; and Mrs. J. Herbert Waldrop, Jr., soprano.

## CHRISTMAS IN WORD AND MUSIC

*Christmas in Word and Music* will again be presented in the University Chapel on Sunday, December 15th at 8:00 p.m. Composed and presented for the first time three years ago, it has been repeated each year since by popular request.

## CHRISTMAS DISPLAYS

An invitation is extended to members of the University Community to participate in an open exhibition of plastic, graphic and photographic art to be displayed in the foyer of Page Auditorium on Friday and Saturday, December 6th and 7th. The displays must embody the spirit of Christmas or the winter season, and will be shown in conjunction with the student-produced *Hansel and Gretel* opera. Those interested will please contact Betsy Ghodes in Southgate or Jerry Sawers, G-202, or write Box 4934, Duke Station.



**FALL 1963-1964  
DUKE UNIVERSITY  
OFFICIAL EXAMINATION SCHEDULE**

ANY STUDENT HAVING A SCHEDULE OF THREE EXAMINATIONS WITHIN TWENTY-FOUR HOURS OR TWO EXAMINATIONS AT THE SAME TIME MUST REPORT TO THE DEAN'S OFFICE *NOT LATER THAN* January 6, 1964 TO REQUEST A CHANGE IN SCHEDULE.

Saturday January 11	2:00- 3:00 p.m.	Physical Education
Monday January 13	Reading Period	No examination scheduled
Tuesday January 14	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 4 All Language 1 Engineering 1.5-1.8 Philosophy 48
Wednesday January 15	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 1 MWF 7 Political Science 11, 61
Thursday January 16	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Botany 1 TTS 3 Physics 1, 41
Friday January 17	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Chemistry 1, 1X TT 6 Engineering 1.1-1.4 Economics 57
Saturday January 18	9:00-12:00 noon 2:00- 5:00 p.m.	English 1 MWF 3

Monday January 20	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 2 History 1, 1X Economics 51
Tuesday January 21	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 5 TT 7 TTS 4 Math 11, 21, 41
Wednesday January 22	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 6 French, Spanish 63 TT 8
Thursday January 23	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 1 Religion 1, 1X TTS 2
Friday January 24	9:00-12:00 noon 2:00- 5:00 p.m.	MWF 5 Naval Science

ENGINEERING COURSES, OTHER THAN ENGINEERING 1, WILL MEET FOR EXAMINATION AT THE REGULAR CLASS PERIODS.

Chemistry (except Chemistry 1) and Zoology classes meet for examination at the time scheduled for their general lecture period. ANY EXAMINATION NOT COVERED IN THE FOREGOING SCHEDULE IS TO BE ARRANGED BY THE INSTRUCTOR IN CHARGE OF THE COURSE IN THE PERIOD BEGINNING January 14, 9:00 a.m. AND ENDING January 24, 5:00 p.m. NO EXAMINATION IS TO BE GIVEN BEFORE 9:00 a.m., January 14, WITH THE EXCEPTION OF PHYSICAL EDUCATION. NO CHANGE IS TO BE MADE IN ANY SCHEDULED EXAMINATION WITHOUT THE APPROVAL OF THE COMMITTEE.

University Schedule Committee

WEEK OF

Dec. 8-14, 1963

WEEK OF

Dec. 8-14, 1963

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, December 8

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Elfan Rees, World Council of Churches, Geneva. Sermon: "Bread for My Brother." Broadcast over Radio Station WDNC and WDNC-FM.

3:30 p.m. Carillon and Brass Quintet Christmas Music. University Chapel.

4:00 p.m. Chapel Choir presents "The Messiah." University Chapel.

5:00 p.m. Christmas Supper. YWCA. 515 West Chapel Hill Street.

8:00 p.m. Joint Duke-UNC Philosophy Colloquium. Speaker: Professor John A. Bretlinger. 213 Caldwell Hall.

### Monday, December 9

4:00 p.m. Engineering Faculty Council. Conference Room Engineering Building.

4:15 p.m. Zoology Department Seminar. Speaker: Dr. John L. Roberts. Auditorium of Biological Sciences Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.

7:30 p.m. Student Union Films on Skiing. Page Auditorium. (No charge.)

7:30 p.m. Duke Sailing Club Lecture. Speaker: Dean J. L. Meriam. Engineering Auditorium.

### Tuesday, December 10

10:10 a.m. Divinity School Chapel. York Chapel. Professor Robert Osborn.

12:15 p.m. Biophysics Seminar. Speaker: Dr. William D. Odell. Room 023 Biological Sciences Building.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.

2:00-9:00 p.m. Registration of delegates of colleges and universities, and representatives of learned societies and professional organizations attending the Inaugural Convocation. Lounge, Flowers Building.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 208 Asbury Building.

4:00 p.m. Mathematics Seminar. Speaker: Dr. Joseph Battle. Room 114 Physics Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00 p.m. Gerontology Seminar. Speaker: Dr. David Bruce Dill. Room 208 Flowers Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:20 p.m. Carillon and Brass Quintet Christmas Music. University Chapel.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday, Extension 2911.



- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 7:30 p.m. German Film Presentation. Page Auditorium.
- 8:00 p.m. Chapel Choir presents "The Messiah." University Chapel.

## Wednesday, December 11

- 8:10 a.m. PLEASE NOTE: All classes dismissed the first through the fifth periods.
- 8:00-9:45 a.m. Registration of delegates, Inaugural Convocation. Lounge, Flowers Building.
- 9:45 a.m. Formation of the Academic Procession, Inaugural Convocation. Card Gymnasium.
- 10:00-10:30 a.m. Carillon Recital, Mr. Anton Brees, Lake Wales, Florida.
- 10:30 a.m. Inaugural Convocation. Indoor Stadium.
- 4:00 p.m. Medical Seminar. Hospital Amphitheatre.
- 4:15 p.m. Botany Seminar. Speaker: Dr. William J. Stambaugh. Auditorium of Biological Sciences Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 and 9:05 p.m. Quadrangle Pictures. Page Auditorium. "Sundays and Cybele" with Hardy Kruger, Nicole Courcel and introducing Patricia Gozzi. Academy Award Winner. "Best Foreign Picture of the Year!"
- 7:00-10:00 p.m. S. U. Bridge Club. Green Room, East Duke Building.
- 8:00 p.m. Christmas Choral Communion. Hospital Amphitheater.
- 8:15 p.m. Duke Players Performance: "The Glass Menagerie." Branson Hall.
- 8:15 p.m. Modern Dance Lecture Demonstration. Ark, East Campus.

## Thursday, December 12

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. William P. Randolph.
- 4:00 p.m. Department of Physiology Seminar. Speaker: Dr. Bruce Dill. Room M-204 Medical Center.
- 4:00 p.m. Undergraduate Faculty Council. Room 208 Flowers Building.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. Duke Players Performance "The Glass Menagerie." Branson Hall.

## Friday, December 13

- 10:10 a.m. Divinity School Choir Christmas Program. Director: Professor John Hanks. York Chapel.
- 3:15 p.m. Final Examination of Mr. George E. McCelvey for the Ph.D. degree in English. Room 312 Allen Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:00 p.m. Joint Duke-UNC Philosophy Colloquium. Speaker: Professor James L. Celarier. 213 Caldwell Hall.
- 8:00-10:00 p.m. Women's Recreation Association Open House. Woman's College Gymnasium.
- 8:15 p.m. Duke Players Performance "The Glass Menagerie." Branson Hall.
- 8:15 p.m. Duke Concert Band Christmas Performance. Conductor: Paul Bryan. Page Auditorium.

## Saturday, December 14

- 2:00-5:00 p.m. Student Union All-Campus Bridge Tournament. The Ark, East Campus.
- 6:15 p.m. Freshmen Basketball: Duke versus Charlotte College. Indoor Stadium.
- 7:00 and 9:05 p.m. Quadrangle Pictures. Page Auditorium. "Sundays and Cybele" with Hardy Kruger, Nicole Courcel and introducing Patricia Gozzi. Academy Award Winner. "Best Foreign Picture of the Year!"
- 8:15 p.m. Varsity Basketball: Duke versus Clemson. Indoor Stadium.
- 8:15 p.m. Duke Players Performance "The Glass Menagerie." Branson Hall.

**Please Notice: DUKE STRING QUARTET CONCERT POSTPONED.** The performance of the Duke String Quartet originally scheduled for Saturday, December 14th at 8:15 p.m. in the Music Room of East Duke Building has been postponed until further notice.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Elfan Rees, Refugee Advisor, World Council of Churches, Geneva, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, December 8th in the University Chapel. His subject will be "Bread for My Brother." The order of worship follows:

Presiding Minister: The Reverend Professor James T. Cleland, Dean of the Chapel  
 Lector: The Reverend John J. Carey, Chaplain to United Church of Christ Students  
 Opening Organ Voluntary—In Dulci Jubilo *Bach*  
 Two Settings  
 Noel *D'aquin*  
 Choral Call to Worship—"The Lord Is in His Holy Temple" *Calvin W. Laufer*  
 Hymn of Adoration—"Holy, Holy, Holy!" *John B. Dykes*  
 Prayers of Confession and For Pardon

Words of Assurance  
The Lord's Prayer  
Anthem—"And the Glory of the Lord" from *The Messiah*  
*George F. Handel*

Scripture Lesson—Matthew 14: 3-21  
Hymn—"Heaven Is Here, Where Hymns of Gladness"  
*Francis J. Haydn*

Call to Prayer  
Prayer of Thanksgiving  
Prayers of Intercession and Petition  
The Offering  
Offertory Organ Interlude  
Anthem—"For Unto Us a Child Is Born"  
from *The Messiah* *George F. Handel*  
Response—The Doxology  
Prayer of Dedication  
Sermon—"Bread for My Brother"  
Prayer  
Benediction  
Choral Response—"Sevenfold Amen" *John Stainer*  
The Chimes  
Closing Organ Voluntary—Fugue on "Vom Himmel Hoch"  
*Pachelbel*

The preacher who is scheduled to deliver the Christmas sermon at the University Service of Worship next Sunday, December 15th, is the Reverend Dr. James T. Cleland, Dean of the Chapel and James B. Duke Professor of Preaching, in the Divinity School.

#### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Sunday, 1:45 P.M., Rides leave East and West circles for the Murdoch School at Butner. This will be the final session before Christmas; all interested persons are urged to attend. **Friday, 6:15 P.M.,** Center, Supper and Worship, followed by a Christmas Party including decorating a Christmas tree and listening to Christmas readings.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**LUTHERAN STUDENT ASSOCIATION:** Sunday, 6:00 P.M., East Duke Building Green Room, Dr. W. D. White will speak on, "The Relation between Religion and Education."

**METHODIST CENTER:** Sunday, 9:00 A.M., Center, Freshman Forum, Discussion of Arthur Miller's *Death Of A Salesman*; 6:30 P.M., Center, Holy Communion; The liturgy of the Lutheran Church in America will be celebrated by Pastor Clayton Sugg of Christ Lutheran Church and Dr. Egil Grisliis of the Divinity School. Dr. Grisliis will lead a discussion of the meaning of the Lutheran service afterwards. **Tuesday, 5:00 P.M.,** East Campus Union, Social Action Commission meeting; 7:00 P.M., Center, Seminar: "The Meaning of Freedom." **Thursday, 9:00 P.M.,** Men's Graduate Center, Seminar: "Contemporary Criticisms of Christianity."

Wesley Players will present *Rosmersholm*, by Henrik Ibsen, at 8:00 P.M., on December 16, 17 and 18 at the Methodist Center. Admission is \$1.00.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP:** Sunday, 5:30 P.M., home of Mr. and Mrs. Richard L. Jackson; a joint meeting with the UCCF of North Carolina College is planned. Discussion will be on Chapter 3 of Bishop Robinson's book, *Honest to God*. Transportation will leave the Chapel steps, the East

Campus circle and Hanes House at 5:15 P.M. **Thursday, 12:40 P.M.,** Luncheon at Gilbert-Addoms Dining Hall on East Campus.

**WESTMINSTER FELLOWSHIP:** Sunday, 4:45 P.M., Meet at Presbyterian Student Center for rides to Chapel Hill. We will be guests of the UNC Westminster Fellowship for supper.

#### MEDICAL SEMINAR

Interested persons in the University Community are invited to attend a seminar on "The Care of the Patient" sponsored by the Duke Chapter of the Student American Medical Association and the Cabot Society of Duke Medical Center. Participants include: Dr. E. A. Stead, Jr., chairman, Department of Medicine; The Reverend Professor James T. Cleland, Dean of the Chapel; Dr. W. P. J. Peete, Department of Surgery; and Miss Virginia Gover, Faculty of Nursing. This seminar will be held on Wednesday, December 11th at 4:00 p.m. in the Hospital Amphitheatre.

#### CARILLON AND BRASS QUINTET CHRISTMAS MUSIC

On Sunday, December 8th at 3:30 p.m. and on Tuesday, December 10th at 7:20 p.m., immediately preceding the performance of "The Messiah" in the University Chapel, there will be a recital of music for Brass Quintet and Carillon from the Chapel Tower. John G. Simpson, Student Carillonneur, will be accompanied by the Brass Quintet directed by R. R. Trevarthen of the Department of Music. Members of the quintet are, undergraduates: Edward Keller, trumpet; Ron Vaughn, trumpet; Ben Peck, trombone; Tom Anderson, baritone; and Jim Rivera, tuba. The program follows:

<i>Carol of the Bells</i>	Leontovich
Carillon	Arr. Barnes
<i>Motet and Royal Fanfare</i>	Josquin des Prez
Brass Quintet	
<i>Alleluia</i>	J. S. Bach
Brass Quintet and Carillon	
<i>Fantasy of Christmas Carols</i>	Arr. R. R. Trevarthen
Brass Quintet and Carillon	

#### CHRISTMAS PROGRAMS

George Frederick Handel's *The Messiah* will be performed on Sunday, December 8th at 4:00 p.m. and on the following Tuesday, December 10th at 8:00 p.m. in the University Chapel.

This marks the thirty-first annual presentation of Handel's celebrated oratorio by the Choir of the Duke Chapel. The Acting Director, James Young, will direct the Choir, and Mildred L. Hendrix, University Organist, will serve as organist for these presentations. Soloists for the first performance will include: Byung K. Kwon, bass-baritone; John Hanks, tenor; Tina Pfohl, contralto; and Mrs. J. Herbert Waldrop, Jr., soprano. Soloists for the second performance will include: Waller Vassar, bass-baritone; John Hanks, tenor; Tina Pfohl, contralto; and Mrs. J. Herbert Waldrop, Jr., soprano.



### CHRISTMAS SUPPER

The Durham YWCA, 515 West Chapel Hill Street, invites international students to join others in the community in a family Christmas supper on Sunday, December 8th at 5:00 p.m. in the Hill Room. Interested students can telephone the YWCA, 681-2041, for further information. Transportation can be provided if needed. Families are invited to bring a favorite food for this covered dish supper. Students in dormitories are invited as guests.

### JOINT DUKE-UNC PHILOSOPHY COLLOQUIA

On Sunday, December 8th at 8:00 p.m. in 213 Caldwell Hall, Professor John A. Bretlinger of the University of Massachusetts will speak on "Dialectic in Plato's Symposium." The next meeting will be held on Friday, December 13th at 8:00 p.m. in 213 Caldwell Hall. Professor James L. Celarier of the University of Maryland will speak on "Gorgias on Talking About Nothing."

### ENGINEERING FACULTY COUNCIL

The Engineering Faculty Council will meet on Monday, December 9th at 4:00 p.m. in the Conference Room of the Engineering Building.

### ZOOLOGY DEPARTMENT SEMINAR

The Zoology Department will hold its weekly seminar on Monday, December 9th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. John L. Roberts, Department of Zoology, University of Massachusetts, will speak on "Metabolic Influences of Photoperiod and Season on Sunfish." Coffee and tea will be served in the foyer at 4:00 p.m.

### SPECIAL ACTIVITIES COMMITTEE PRESENTS SKIING FILMS

The Special Activities Committee of the Student Union will present two skiing films: "Ernie McCulloch Teaches Skiing" and the American Broadcasting Company's "World Ski Champions in 1962 at Chamonix." These films, both in color, will be presented on Monday, December 9th at 7:30 p.m. in Page Auditorium. The University Community is cordially invited to attend and there will be no admission charge.

### DUKE SAILING CLUB LECTURE

There will be a Duke Sailing Club Lecture entitled "One Thousand Leagues Over the Sea" on Monday, December 9th at 7:30 p.m. in the Engineering Auditorium. The speaker will be Dean J. L. Meriam of the Engineering School who will describe his voyage from San Francisco to Hawaii in a 25 foot sailing boat.

### BIOPHYSICS SEMINAR

The Committee on Biophysics will hold a seminar on Tuesday, December 10th, at 12:15 p.m. in Room 023 Biological Sciences Building. Dr. William D.

Odell, Endocrinology Branch, National Cancer Institute, Bethesda, Maryland, will speak on "Radiation Inactivation Studies on Human Gonadotropins."

### MATHEMATICS SEMINAR

There will be a Mathematics Seminar on Tuesday, December 10th at 4:00 p.m. in Room 114 Physics Building. Dr. Joseph Battle, North Carolina College, will speak on "Some Current Problems in Topological Graph Theory." Coffee will be served in Room 120 Physics Building at 3:30 p.m.

### GERONTOLOGY SEMINAR

The Council on Gerontology will present in an open seminar Dr. David Bruce Dill, Research Scholar, Department of Anatomy and Physiology, Indiana University, who will speak on "Fitness of Twenty Harvard Men: 1940 and 1962." This meeting will be held on Tuesday, December 10th at 5:00 p.m. in Room 208 Flowers Building. All interested persons are invited to attend.

### GERMAN FILM PRESENTATION

Delta Phi Alpha, German honorary society, will present a German film, "Dreaming Lips" with Maria Schell on Tuesday, December 10th at 7:30 p.m. in Page Auditorium. General admission tickets priced at \$.50 a person will be available at the Page Box Office at 7:00 p.m. This film will have English subtitles.

### SUSPENSION OF CLASSES

Classes will be dismissed the first through the fifth periods on Wednesday, December 11th, to allow participation by the academic members of the University Community in the inauguration of President Douglas M. Knight.

### THE INAUGURATION OF PRESIDENT DOUGLAS M. KNIGHT

On Founders' Day, Wednesday, December 11th, Duke University's fifth and youngest president will be installed at an inaugural convocation to be held in the Indoor Stadium beginning at 10:30 a.m. The entire University Community as well as the general public are invited to the ceremony.

Prior to assuming his duties at Duke University on September 1st, 1963, Dr. Knight was for nine years president of Lawrence College, Appleton, Wisconsin; before this assignment he taught at Yale University from which he had received the A.B., M.A., and Ph.D. in English.

Dr. Knight's predecessors include Dr. William Preston Few (last president of Trinity College and first president of Duke University—1910-1940); Dr. Robert Lee Flowers (1940-1948); Dr. A. Hollis Edens (1948-1960); and Dr. Deryl Hart (1960-1963).

The program for the inaugural convocation for the

installation of Douglas Maitland Knight as president of Duke University is as follows:

**Musical Prelude:**

*Toccata and Fugue in C Major*

*Bach-Weiner*

Duke University Symphony Orchestra

Professor Allan H. Bone, Conductor

**Processional**

The National Anthem

Invocation: Chaplain Howard C. Wilkinson

Welcoming Remarks: Provost R. Taylor Cole

From the students, Mr. Kip McKinney Espy

From the faculty, Professor William B. Hamilton

From the alumni, Mr. Leon S. Ivey

Music by the Duke University Symphony Orchestra

*Symphony No. 5 in D Major, Opus 107*

("Reformation")

*Mendelssohn*

4th Movement, Andante con moto (Chorale:

"Ein feste Burg ist unser Gott")

Allegro maestoso

Prayer of Installation: The Reverend Professor James T. Cleland, Dean of the Chapel

Installation of the President: Mr. Bunyan Snipes Womble, Chairman, Board of Trustees

The Inaugural Address: President Douglas M. Knight

The Alma Mater

The Benediction: Dr. Cleland

The Procession from the Hall

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### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, December 11th, at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. William J. Stambaugh will speak on "Insects and Tree Diseases."

Dr. Stambaugh, received his advanced training at Penn State and Yale Universities, specializing in Forest Pathology. Prior to joining the staff of the Duke School of Forestry, he served as forest pathologist in the School of Forestry at Pennsylvania State University.

Refreshments will be served in the foyer at 4:00 p.m.

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### CHRISTMAS CHORAL COMMUNION

The annual Christmas Choral Communion, a service for patients at Duke Hospital, will be presented by the Religious Activities Committee of the School of Nursing on Wednesday, December 11th, at 8:00 p.m., in the Hospital Amphitheater. Students and faculty are welcome.

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### MODERN DANCE LECTURE-DEMONSTRATION

Terpsichorean, the modern dance club, will present "Elements of Composition," the second in a series of lecture-demonstrations entitled **Three Concerts in Modern Dance**, on Wednesday, December 11th at 8:15 p.m. in The Ark on East Campus. A cordial invitation is extended to members of the University Community to attend these functions without charge. These programs are designed to more thoroughly acquaint the University Community with the essentials, the famous figures, and the thoughts and ideals behind modern dance.

On Wednesday, December 18th at 8:15 p.m. in The Ark, the last program in the series, "Group Relationships and Labanotation," will be presented.

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### DUKE PLAYERS PRESENT THE GLASS MENAGERIE

Duke Players will present **The Glass Menagerie** by Tennessee Williams, directed by Victor Michalak, on Wednesday, Thursday, Friday and Saturday, December 11th, 12th, 13th, and 14th at 8:15 p.m. in the Arena in Branson Hall, East Campus. Tickets priced at \$1.25 can be reserved by calling the box office in Branson, Extension 3181, Monday and Tuesday between 2:00 and 5:00 p.m. In addition, the box office will be open from 2:00 until performance time Wednesday through Saturday.

Mr. Williams called this a "memory play." It is Williams at his gentlest, with the themes which characterize his work as a whole, but without the violence of character and action which are more typical of later plays. It tells the story of Tom Wingfield, his crippled sister, Laura, their ambitious but bumbling mother, Amanda, and the Gentleman Caller—the emissary from the world outside the fragile confines of Laura's glass menagerie.

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### DEPARTMENT OF PHYSIOLOGY SEMINAR

The Department of Physiology Seminar will meet on Thursday, December 12th at 4:00 p.m. in Room M-204 Medical Center. Dr. Bruce Dill, Department of Anatomy and Physiology, Indiana University, will speak on "High Altitudes Revisited."

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### UNDERGRADUATE FACULTY COUNCIL

The Undergraduate Faculty Council will meet at 4:00 p.m. on Thursday, December 12th in Room 208 Flowers Building.

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### FINAL EXAMINATION FOR THE PH.D DEGREE

The final examination of Mr. George E. McCelvey for the Ph.D. degree in English will be held on Friday, December 13th, at 3:15 p.m. in Room 312 Allen Building. The subject of Mr. McCelvey's dissertation is "William Godwin's Novels: Theme and Craft." The committee to conduct the examination consists of Professors Lionel Stevenson, Charles E. Ward, C. Richard Sanders, Merle M. Bevington, and Paul Welsh. Professor Stevenson will preside.

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### DIVINITY SCHOOL CHOIR

A special Christmas program by the Divinity School Choir, under the direction of Professor John Hanks and with Miss Helen Kendall as organist, will be given at York Chapel on Friday, December 13th at 10:10 a.m. The program will include well known Christmas anthems, chorals, and hymns. The public is cordially invited.



## DUKE CONCERT BAND CHRISTMAS PERFORMANCE

The Department of Music will present the Duke University Concert Band, Paul Bryan, Conductor, on Friday, December 13th at 8:15 p.m. in Page Auditorium. Featured on the program will be the premiere performance of *Overture 1912* by Iain Hamilton, Mary Duke Biddle Professor of Music. Another special feature will be Hector Berlioz' *Funeral and Triumphal Symphony*, with the Durham High School Wind Ensemble and Concert Choir and the Durham Civic Choral Society. The *Enigma Variations*, Opus 36, by Edward Elgar, arranged by Professor Earl Slocum of the Department of Music, University of North Carolina will be performed with Mr. Slocum as guest conductor. There will be no admission charge and the University Community and general public are cordially invited to attend. The program is as follows:

### PROGRAM

"The Earle of Oxford's Marche" from the  
*William Byrd Suite*

"1912," A Light Overture (1958)  
*Enigma Variations*, Opus 36

Gordon Jacob  
Iain Hamilton  
Edward Elgar, arr.  
by Earl Slocum

Theme—Enigma  
Variation I (C.A.E.)  
Variation II (W.M.B.)  
Variation III (R.P.A.)  
Variation IV (G.R.S.)  
Variation V (Nimrod)  
Variation VI Finale (E.D.U.)  
Conducted by Earl Slocum

### INTERMISSION

*Symphonie Funèbre et Triomphale*, Opus 15     Hector Berlioz  
*Marche Funèbre—Moderato un poco lento*  
*Oraison Funèbre—Adagio non tanto; Andantino;*  
*Andantino poco lento e sostenuto*  
Benjamin Peck, Trombone Solo  
*Apothéose—Allegro non troppo e pomposo*  
Duke University Concert Band  
Durham High School Wind Ensemble  
Durham High School Concert Choir  
Durham Civic Choral Society

## STUDENT UNION ALL-CAMPUS DUPLICATE BRIDGE TOURNAMENT

The Student Union All-Campus Duplicate Bridge Tournament will be held on Saturday, December 14th from 2:00 to 5:00 p.m. in The Ark on East Campus. This event is open to all members of the University Community. The tournament has been sanctioned by the American Contract Bridge League and master points will be awarded. The entrance fee is \$.50 and prizes will be given.

## ROBERT M. BRODERSON ART EXHIBITION

The Student Union and the Department of Art are sponsoring jointly an exhibition of recent works by Robert M. Broderson. The exhibition which will run through Sunday, December 15th is in two sections: paintings will be displayed in the Gallery of the Woman's College Library, East Campus, and draw-

ings and lithographs will fill the Alumni Lounge Gallery of the Union Building of West Campus.

Mr. Broderson is a well known figure on campus, being an Associate Professor in the Art Department and Director of its studio program. His career as a professional artist began even before he received his Bachelor of Arts from Duke in 1950. Over the last 15 years, his works have been shown and have received awards in innumerable regional and national exhibitions including frequent one man shows in New York and elsewhere. His work, reproductions of which have appeared in leading art periodicals, have entered many private collections and such public collections as the Whitney Museum in New York, the Wadsworth Atheneum in Hartford, and the University Museum at Princeton. The Duke University Press will publish in the Spring of 1964 a volume devoted to his drawings.

## FRENCH AND SPANISH EXAMINATIONS FOR GRADUATE DEGREES

The French and Spanish examination for candidates for graduate degrees will be given on Friday, January 10th at 4:00 p.m. in Rooms 113 and 114 Physics Building. Candidates should register for this examination no later than Friday, December 20th in the Graduate School Office

## DINING HALL ANNOUNCEMENT

Due to the Inauguration Dinner for President Knight on Tuesday, December 10th, the Blue and White Room will be closed for the evening meal. The Gothic Hall, The University Room and the Oak Room will be open from 4:30 to 7:00 p.m. Arrangements have been made for Duke men to dine on East Campus at Gilbert-Addoms and the Women's Union.

## SCHEDULE FOR UNIVERSITY WEEKLY CALENDAR

There will be one more edition of the University Weekly Calendar for December 12-21 before the Christmas recess.

Deadline for notices to appear in the first edition of the new year, the week of January 3-11, is Thursday, January 2, 1964.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. John D. Woods for the Ph.D. degree in Chemistry was held on Wednesday, December 4th, at 2:30 p.m. in Room 303 Chemistry Building. The subject of Mr. Wood's dissertation was "The Crystal Structure of N,N-Diphenylacetamide." The committee that conducted the examination consisted of Professors William R. Krigbaum, Peter Smith, John H. Saylor, Jacques C. Poirier, and N. R. Roberson. Professor Krigbaum presided.

## ADVANCE NOTICE CHRISTMAS IN WORD AND MUSIC

"Christmas in Word and Music" will again be presented in the University Chapel next Sunday evening, December 15th, beginning at 8:00 p.m. Composed and presented for the first time three years ago, it has been repeated each year since, by popular request. Consisting of selections from the finest Christmas music, the most representative Scriptural recitals of Christmas, and beloved carols, the service of worship gives the prophecy of the coming of Jesus Christ, and the fulfillment of that prophecy. Choral music will be presented by the Men's Chorus and the Women's Chorus. A variety of instrumental music will be included. The Presiding Minister will be the Reverend Dr. James T. Cleland, Dean of the Chapel and James B. Duke Professor of Preaching. The reader will be the Reverend Dr. Howard C. Wilkinson, Chaplain to the University. Musical and choral portions of the service will be under the supervision of Mrs. Mildred Hendrix, University Organist, and Mr. George Troutwein, Director of the Men's and Women's Choruses.

## ADVANCE NOTICE LECTURE SERIES ON CURRENT ECONOMIC PROBLEMS

James B. Duke Professor of Economics, Dr. Calvin B. Hoover, will speak in the Lecture Room Building 9 on Monday, December 16th at 8:00 p.m. His topic will be "Slowdown in Soviet Economic Growth? A Comparison of Recent Trends in the U.S. and U.S.S.R." This lecture, sponsored by the Department of Economics and Business Administration, is the first in a series of current economic problems. Succeeding topics and speakers include: "The Tax Cut"—Professor William P. Yohe in February, 1964; "Population Problems"—James B. Duke Professor Joseph J. Spengler in March, 1964; and "Automation"—Professor Juanita Kreps in April, 1964. The public is cordially invited.

## FALL 1963-1964 DUKE UNIVERSITY OFFICIAL EXAMINATION SCHEDULE

ANY STUDENT HAVING A SCHEDULE OF THREE EXAMINATIONS WITHIN TWENTY-FOUR HOURS OR TWO EXAMINATIONS AT THE SAME TIME MUST REPORT TO THE DEAN'S OFFICE *NOT LATER THAN* January 6, 1964 TO REQUEST A CHANGE IN SCHEDULE.

Friday January 10	6:00- 7:00 p.m.	Physical Education
Monday January 13	Reading Period	No examination scheduled
Tuesday January 14	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 4 All Language 1 Engineering 1.5-1.8 Philosophy 48
Wednesday January 15	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 1 MWF 7 Political Science 11, 61
Thursday January 16	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Botany 1 TTS 3 Physics 1, 41

Friday January 17	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Chemistry 1, 1X TT 6 Engineering 1.1-1.4 Economics 57
Saturday January 18	9:00-12:00 noon 2:00- 5:00 p.m.	English 1 MWF 3
Monday January 20	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 2 History 1, 1X Economics 51
Tuesday January 21	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 5 TT 7 TTS 4 Math 11, 21, 41
Wednesday January 22	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 6 French, Spanish 63 TT 8
Thursday January 23	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 1 Religion 1, 1X TTS 2
Friday January 24	9:00-12:00 noon 2:00- 5:00 p.m.	MWF 5 Naval Science

ENGINEERING COURSES, OTHER THAN ENGINEERING 1, WILL MEET FOR EXAMINATION AT THE REGULAR CLASS PERIODS.

Chemistry (except Chemistry 1) and Zoology classes meet for examination at the time scheduled for their general lecture period. ANY EXAMINATION NOT COVERED IN THE FOREGOING SCHEDULE IS TO BE ARRANGED BY THE INSTRUCTOR IN CHARGE OF THE COURSE IN THE PERIOD BEGINNING January 14, 9:00 a.m. AND ENDING January 24, 5:00 p.m. NO EXAMINATION IS TO BE GIVEN BEFORE 9:00 a.m., January 14, WITH THE EXCEPTION OF PHYSICAL EDUCATION. NO CHANGE IS TO BE MADE IN ANY SCHEDULED EXAMINATION WITHOUT THE APPROVAL OF THE COMMITTEE.

University Schedule Committee

## ADVANCE NOTICE CHRISTMAS VESPERS

As announced in the University Fall Calendar, the annual Christmas Vespers will be observed in the Duke Chapel on Tuesday evening, December 17th, from 7:00-8:00 p.m. Participating in the service will be Dr. Waldo Beach of the Divinity School, Reader; the Duke Madrigal Singers, directed by Eugenia Saville of the Music Department; the Duke Recorders Group; and the University Carillonneur. Preceded by Carillou music from the Chapel Tower, the service of poetry and choral music appropriate to the season will be observed in candlelight. Members of the University Community and friends are invited to join us in this service.

## UNIVERSITY SPRING ACTIVITIES CALENDAR NOTICE

Announcements for the printed UNIVERSITY SPRING ACTIVITIES CALENDAR, compiled, published, and distributed by the Student Union's Special Service Committee at the beginning of each semester, must be in Room 202-A Flowers Building by Wednesday, December 18th, in order to be in the printer's hands for a February first release. Faculty and staff members scheduling events for the Spring Semester are urged to get their announcements in at once.





WEEK OF  
Dec. 15-21, 1963

# CALENDAR

WEEK OF  
Dec. 15-21, 1963

## OF DUKE UNIVERSITY



### Events of the Week

#### Sunday, December 15

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon with Brass Quintet. John G. Simpson, Student Carillonneur. Mr. R. R. Trevarthen, Director of Quintet.
- 11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "Bethlehem and Bedlam." Broadcast over Radio Station WDNC and WDNC-FM.
- 8:00 p.m. Christmas in Word and Music. University Chapel.

#### Monday, December 16

- 4:15 p.m. Zoology Seminar. Speaker: Dr. Bruce L. Welch. Auditorium of Biological Sciences Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30 p.m. Duke Symphony Orchestra Rehearsal. Page Auditorium.
- 8:00 p.m. Lecture Series on Current Economic Problems. Speaker: Dr. Calvin B. Hoover. Lecture Room Building 9.
- 8:00 p.m. Wesley Players Present "Rosmersholm." Methodist Center, Oregon Street.

#### Tuesday, December 17

- 10:10 a.m. Divinity School Chapel. York Chapel. Dean Robert E. Cushman.
- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 208 Asbury Building.
- 4:00 p.m. Mathematics Seminar. Speaker: Dr. William R. Hare. Room 114 Physics Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. East Campus Christmas Dinners. East Union and Gilbert-Addoms Dormitories.
- 7:00-8:00 p.m. Christmas Vespers. University Chapel.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:00 p.m. Sigma Delta Pi (Spanish Honorary) Christmas Celebration. Green Room, East Duke.
- 8:00 p.m. Wesley Players Present "Rosmersholm." Methodist Center, Oregon Street.
- 8:00 p.m. Divinity School Christmas Party. Trinity Methodist Church.
- 8:00 p.m. Freshmen Basketball: Duke versus Wake Forest. Indoor Stadium.
- 8:15 p.m. Duke Symphony Orchestra Concert. Conductor: Allan Bone. Page Auditorium. Susan Starr, soloist.

**IMPORTANT**—Notices for the Duke University Calendar for January 3-11, 1964, should be submitted in WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 12:00 noon on Thursday, January 2nd, 1964.



## Wednesday, December 18

- 10:10 a.m. Divinity School Chapel. Deau Robert E. Cushman.
- 4:15 p.m. Botany Seminar. Speaker: Dr. F. H. Bormann. Auditorium of Biological Sciences Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 6:00-8:30 p.m. Students Carol the Faculty.
- 7:00 p.m. East Campus Christmas Vesper Services. East Duke Chapel.
- 7:00 and 9:20 p.m. Quadrangle Pictures. Page Auditorium. "A Raisin in the Sun" with Sidney Poitier, Claudia McNeil and Ruby Dee. "Utterly magnificent, it has sharp wit, rich folk humor, high comedy, and solidly gripping drama."—Cue. "Very fine articulation of some of the basic dilemmas of the Negro race caught in the vise of resentment and insecurity. Brilliantly played."—Crowther, *N. Y. Times*.
- 8:00 p.m. Wesley Players Present "Rosmersholm." Methodist Center, Oregon Street.

## Thursday, December 19

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Thomas J. Howard.
- 1:00 p.m. Final Examination of Mrs. Mary Ann Coslow Wimsatt for the Ph.D. degree in English. Room 312 Allen Building.
- 4:00 p.m. Physiology Seminar. Speaker: Dr. Robert R. Schmidt. Room M-204 Medical Center.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 8:00 p.m. Varsity Basketball: Duke versus University of Virginia. Indoor Stadium.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, December 20

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Dean Robert E. Cushman, Celebrant.
- 12:30 p.m. Christmas Recess Begins.
- 7:00 p.m. Faculty Club Annual Christmas Party. The Great Hall.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Wednesday, 12:45 P.M., Baptist Center, Dr. Irving Alexander, Professor of Psychology at Duke, will speak on the topic: "The Psychology of Death." All interested persons are invited. Lunch will be served at 12:15 P.M.; cost, \$1.00.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**LUTHERAN STUDENT ASSOCIATION:** Sunday, 6:00 P.M., Green Room in East Duke Building, Christmas Program—selected readings from W. H. Auden's *For the Time Being*. Refreshments and fellowship will follow.

**METHODIST CENTER:** Sunday, 9:00 A.M., Freshman Forum; 6:00 P.M., Evening Prayer—the Duke University Brass Ensemble will present a program of Christmas music; 9:30 P.M., Yule Party. The University community is welcome at both of these events.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP:** Sunday, 5:00 P.M., The UCCF will meet at the home of Dr. and Mrs. Donald Fluke, 2703 Sevier Street, for a Christmas party. After dinner the group will go caroling. Transportation will leave the Chapel, East Campus circle and Hanes House at 4:45 P.M. **Thursday, 12:40 P.M.,** Luncheon at Gilbert-Addoms Dining Hall on East Campus.

**WESTMINSTER FELLOWSHIP:** Sunday, Meet at Presbyterian Student Center at 6:15 P.M. The group will then go Christmas caroling, with refreshments afterwards at Chaplain Johnson's home.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, December 15th, in the University Chapel. His subject will be "Bethlehem and Bedlam." The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson,  
Chaplain to the University  
Lector: Miss Barbara Benedict, Associate Director of Religious  
Life, East Campus  
Opening Organ Voluntary—"How Brightly  
Shines the Morning Star" *Buxtehude*  
Choral Call to Worship—"Fanfare for Christmas Day" *Martin Shaw*  
Hymn of Adoration—"What Child Is This,  
Who, Laid to Rest" *Old English Melody*  
Prayers of Confession and for Pardon  
Words of Assurance  
The Lord's Prayer  
Anthem—"O nata lux de lumine" *Thomas Tallis*  
Scripture Lesson—Luke 2:1-7; John 1:1-5  
Hymn—"O Little Town of Bethlehem" *Lewis H. Redner*  
Call to Prayer  
Prayer of Thanksgiving  
Prayers of Intercession and Petition  
The Offering  
Offertory Organ Interlude  
Anthem—"Glory To God In The Highest" *Randall Thompson*

Response—The Doxology  
Prayer of Dedication  
Sermon—"Bethlehem and Bedlam"  
Prayer  
Benediction  
Choral Response—"Sevenfold Amen" *John Stainer*  
The Chimes  
Closing Organ Voluntary—"Toccata on  
"Vom Himmel Hoch" *Edmunson*

The next two Sundays fall within the Christmas academic recess. Therefore, the regular University Service of Worship will not be conducted on December

22nd and 29th. Instead, a half-hour service is scheduled for each of those two Sundays, beginning at 11:00 a.m. These services will consist of organ music, Scripture readings and prayers.

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### BRASS QUINTET

The Brass Quintet which has been accompanying the Carillon this week is directed by R. R. Trevarthen of the Department of Music. The Quintet is composed of the following undergraduates: Edward Keller, trumpet; Ron Vaughn, trumpet; Ben Peck, trombone; Tom Anderson, baritone; and Jim Rivera, tuba.

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### CHRISTMAS IN WORD AND MUSIC

"Christmas in Word and Music" will again be presented in the University Chapel next Sunday evening, December 15th, beginning at 8:00 p.m. Composed and presented for the first time three years ago, it has been repeated each year since, by popular request. Consisting of selections from the finest Christmas music, the most representative Scriptural recitals of Christmas, and beloved carols, the service of worship gives the prophecy of the coming of Jesus Christ, and the fulfillment of that prophecy. Choral music will be presented by the Men's Chorus and the Women's Chorus. A variety of instrumental music will be included. The Presiding Minister will be the Reverend Dr. James T. Cleland, Dean of the Chapel and James B. Duke Professor of Preaching. The reader will be the Reverend Dr. Howard C. Wilkinson, Chaplain to the University. Musical and choral portions of the service will be under the supervision of Mr. George Troutwein, Director of the Men's and Women's Chorus, and Mr. Frank Jordan, Organist.

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### TEACHER EDUCATION ACCREDITATION

On Monday, Tuesday and Wednesday, December 16th, 17th and 18th, a committee representing the North Carolina State Board of Education will be visiting the campus for the purpose of evaluating our programs for the preparation of teachers and other school personnel. The committee of twenty persons will include representatives from all the school subjects and positions in connection with which Duke University prepares personnel. The committee will include professors of liberal arts and of education from various North Carolina institutions of higher learning, public school personnel, and representatives of the State Department of Public Instruction. The chairman will be Dr. A. C. Dawson, Executive Secretary of the North Carolina Education Association, formerly Superintendent of Schools in Southern Pines.

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### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, December 16th in the auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Bruce L. Welch, College of William and Mary, Williamsburg, Virginia, will speak on "The Psychophysiological Regulation and Identity of Populations." Coffee and tea will be served in the foyer.

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### LECTURE SERIES ON CURRENT ECONOMIC PROBLEMS

James B. Duke Professor of Economics, Dr. Calvin B. Hoover, will speak in the Lecture Room Building 9 on Monday, December 16th at 8:00 p.m. His topic will be "Slowdown in Soviet Economic Growth? A Comparison of Recent Trends in the U.S. and U.S.S.R." This lecture, sponsored by the Department of Economics and Business Administration, is the first in a series of current economic problems. Succeeding topics and speakers include: "The Tax Cut"—Professor William P. Yohe in February, 1964; "Population Problems"—James B. Duke Professor Joseph J. Spengler in March, 1964; and "Automation"—Professor Juanita Kreps in April, 1964. The public is cordially invited.

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### WESLEY PLAYERS PRESENT ROSMERSHOLM

Wesley Players, the drama group of the Methodist Student Center, will present the play, "Rosmersholm" by Henrik Ibsen on Monday, Tuesday and Wednesday, December 16th, 17th and 18th at 8:00 p.m. in the Methodist Center on Oregon Street. The play is about a former clergyman who is so bound by his past that he is unable to act freely in the present. Admission will be \$1.00.

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### MATHEMATICS SEMINAR

There will be a Mathematics Seminar on Tuesday, December 17th at 4:00 p.m. in Room 114 Physics Building. Dr. William R. Hare will be the speaker. His subject will be "Undergraduate Honors Program and Independent Study" with a student demonstration. Coffee will be served at 3:30 p.m. in Room 120 Physics Building.

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### CHRISTMAS VESPERS

The annual Christmas Vespers will be observed in the Duke Chapel on Tuesday evening, December 17th, from 7:00-8:00 p.m. Participating in the service will be Dr. Waldo Beach of the Divinity School, Reader; the Duke Madrigal Singers, directed by Eugenia Saville of the Music Department; the Duke Recorders Group; and the University Carillon. Preceded by Carillon music from the Chapel Tower, the service of poetry and choral music appropriate to the season will be observed in candlelight. Members of the University Community and friends are invited to join us in this service.

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### DUKE SYMPHONY ORCHESTRA CONCERT

The Fall Concert of the Duke Symphony Orchestra, originally scheduled for Friday, November 22nd, has been rescheduled for Tuesday, December 17th at 8:15 in page Auditorium. Allan Bone will conduct. Featured on the program will be guest pianist, Susan Starr, who will perform with the Orchestra the "Concerto No. 4 in G Major for Piano and Orchestra,



Opus 58" by Beethoven. Miss Starr is an internationally known young pianist and a winner in 1962 of the International Tchaikovsky Competition in Moscow, and has performed extensively both here and abroad.

Admission will be the presentation of a Duke Symphony Orchestra season ticket or the purchase of a one dollar ticket at the door. Advance ticket sales will be in Room 106 Asbury Building at fifty cents each.

The program will be as follows:

Toccata (Adagio) and Fugue in C Major  
Symphony No. 8 in F Major, Opus 93  
Allegro vivace e con brio  
Allegretto scherzando  
Tempo di Menuetto  
Allegro vivace

*Bach-Weiner  
Beethoven*

Intermission

Concerto No. 4 in G Major for Piano and Orchestra, Opus 58  
*Beethoven*

Allegro moderato  
Andante con moto  
Rondo: Vivace

Susan Starr, *Soloist*  
Variations, Chaconne and Finale (1948) *Norman Dello Joio*

### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, December 18th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. F. H. Bormann will speak on "Non-competitive Relationships Between Root-grafted Trees."

After graduating from Rutgers University, Dr. Bormann received his M.A. and Ph.D. in Botany at Duke. He taught at Emory University before going to Dartmouth, from which he is presently on leave as a Senior Research Associate at Brookhaven National Laboratory. Refreshments will be served in the foyer at 4:00 p.m.

### STUDENTS CAROL THE FACULTY

On Wednesday evening, December 18th, the Student Union will again provide transportation for students to carol the faculty and invite all the families living in the areas near the campus to come out and join the singing.

Buses, bearing the carollers reinforced with a brass quartet, will circle through the nearby areas stopping for singing at the following locations and times:

6:00 p.m. Assembling—Chapel Steps  
7:15 p.m. First Stop—Corner Woodburn Road and Dogwood Road  
8:15 p.m. Second Stop—Corner Wrightwood and Dwire (Refreshments will be served here)  
8:30 p.m. Return to Campus

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mrs. Mary Ann Coslow Wimsatt for the Ph.D. degree in English will be held on Thursday, December 19th at 1:00 p.m. in Room 312 Allen Building. The subject of Mrs. Wimsatt's dissertation is "The Comic Sense of William Gilmore Simms: A Study of the Humor in His Fiction and Drama." The committee to conduct the examination consists of Professors Arlin Turner, Bernard I. Duffey, Louis J. Budd, Lionel Stevenson and Richard

L. Watson (minor field). Professor Turner will preside.

### SCHOOL OF NURSING COOK BOOK

The School of Nursing Alumnae Association has compiled and published a cook book "Gothic Gourmet." This cook book includes recipes not only from nursing alumnae, but also from wives and members of the University faculty. All proceeds derived from the sale of these cook books will be applied to the Florence K. Wilson Scholarship Fund, School of Nursing.

Cook books may be purchased from the Alumnae Office and in Hanes House where they will cost \$2.00 each copy. If the books are to be mailed it will cost \$2.25.

### DUKE FACULTY CLUB ANNUAL CHRISTMAS PARTY

The Annual Christmas Party of the Duke Faculty Club will take place on Friday, December 20th at 6:30 p.m. The faculty will assemble and check wraps in Flowers Building Lounge. Dinner will be served promptly at 7:00 p.m. in The Great Hall (formerly referred to as Dining Halls B and C) of the Union Building.

The banquet will follow the traditional Elizabethan theme with the Boar's Head Procession and special music.

All tickets for members and guests may be obtained in person or by mail from the office of Mr. Floyd Sawyer, Room 304 Allen Building prior to 5:00 p.m. on Tuesday, December 17th.

### SCHEDULE FOR UNIVERSITY WEEKLY CALENDAR

Deadline for notices to appear in the first edition of the new year, the week of January 3-11, is 12:00 noon, Thursday, January 2, 1964.

### ADVANCE NOTICE BACH ARIA GROUP

The Bach Aria Group will perform on Tuesday, February 4th at 8:15 p.m. in Page Auditorium under the auspices of the Artists Series. The only performing organization of its kind, possessing an unusual feature in that it places instrumental and vocal soloists on equal footing, the Bach Aria Group consists of famed singers Eileen Farrell, soprano; Carol Smith, alto; Jan Peerce, tenor; and Norman Farrow, bass-baritone—and equally distinguished instrumentalists Julius Baker, flute; Robert Bloom, oboe; Bernard Greenhouse, cello; Oscar Shumsky, violin; and Paul Ulanowsky, piano. It is a combination without parallel of virtuosi who have come together to present the most tuneful music that Bach ever wrote. Performances by this unique ensemble have taken them through the United States, Canada, South America and Europe.

Remaining tickets are priced at \$2.50 and \$2.00 and are available in Room 202-A Flowers Building or by calling Extension 2911.

**FALL 1963-1964  
DUKE UNIVERSITY**

**OFFICIAL EXAMINATION SCHEDULE**

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University Schedule Committee

**PHYSIOLOGY SEMINAR**

The Department of Physiology Seminar will meet on Thursday, December 19th at 4:00 p.m. in Room M-204 Medical Center. Dr. Robert R. Schmidt of the Department of Biochemistry and Nutrition, Virginia Polytechnic Institute, will speak on "Metabolic Transitions during Cellular Development."

**FRENCH AND SPANISH EXAMINATIONS  
FOR GRADUATE DEGREES**

The French and Spanish examination for candidates for graduate degrees will be given on Friday, January 10th at 4:00 p.m. in Rooms 113 and 114 Physics Building. Candidates should register for this examination no later than Friday, December 20th in the Graduate School Office

**UNIVERSITY SPRING ACTIVITIES  
CALENDAR NOTICE**

Announcements for the printed UNIVERSITY SPRING ACTIVITIES CALENDAR, compiled, published, and distributed by the Student Union's Special Service Committee at the beginning of each semester, must be in Room 202-A Flowers Building by Wednesday, December 18th, in order to be in the printer's hands for a February first release. Faculty and staff members scheduling events for the Spring Semester are urged to get their announcements in at once.

**ADVANCE NOTICE  
ERASMUS CLUB**

The next meeting of the Erasmus Club will be held on Friday, January 3rd at 8:00 p.m. in the Green Room of the East Duke Building. Professor Robert S. Rogers of the Classics Department will give a paper on "Two Studies on Tiberius: 1. Ateius Capito and Tiberius. 2. Tiberius and the Tiber." Everyone is cordially invited to attend.

**LIBRARY SCHEDULES  
CHRISTMAS RECESS**

The University Libraries will operate according to the following schedule during the Christmas Recess, December 20, 1963—January 2, 1964:

*General Library*

Friday, Dec. 20	8:00 a.m.-5:00 p.m.
Saturday, Dec. 21	8:00 a.m.-1:00 p.m.
Sunday, Dec. 22	Closed
Monday, Dec. 23	8:00 a.m.-5:00 p.m.
Tuesday, Dec. 24	8:00 a.m.-1:00 p.m.
Wednesday, Dec. 25	Closed
Thursday, Dec. 26-Friday, Dec. 27	8:00 a.m.-5:00 p.m.
Saturday, Dec. 28	8:00 a.m.-1:00 p.m.
Sunday, Dec. 29	Closed
Monday, Dec. 30-Tuesday, Dec. 31	8:00 a.m.-5:00 p.m.
Wednesday, January 1, 1964	Closed
Thursday, January 2	8:00 a.m.-5:00 p.m.
Friday, January 3	Resume regular schedule

All units of the General Library will be open according to the above schedule with the following exceptions:

Manuscripts Department	Closed 12:00-1:00 each day
Newspaper Department	Closed 12:00-1:00 each day
Rare Book Department	Closed 12:00-1:00 each day

*Woman's College Library*

Friday, Dec. 20	8:00 a.m.-5:00 p.m.
Saturday, Dec. 21	9:00 a.m.-1:00 p.m.
Sunday, Dec. 22-Sunday, Dec. 29	Closed
Monday, Dec. 30-Tuesday, Dec. 31	9:00 a.m.-5:00 p.m.
Wednesday, Jan. 1, 1964	Closed
Thursday, Jan. 2	9:00 a.m.-5:00 p.m.
Friday, Jan. 3	Resume regular schedule

Christmas schedules for other University libraries will be posted.





WEEK OF  
Jan. 3-11, 1964

# CALENDAR

WEEK OF  
Jan. 3-11, 1964

## OF DUKE UNIVERSITY



### Events of the Week

#### Friday, January 3

- 8:10 a.m. Classes Resume.
- 2:00 p.m. Joint Zoology and Biophysics Seminar. Speaker: Dr. Stanley Person. Room 130, Biological Sciences Building.
- 3:30 p.m. Physiology Seminar. Speaker: Dr. Neils Lassen. Room M-204 Medical Center.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

#### Saturday, January 4

- 6:00 p.m. Freshman Basketball: Duke versus N. C. State. Indoor Stadium.
- 7:10 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Last Year at Marienbad" (In French with English sub-titles.) Directed by Alain Resnais. "Best Picture of Year"—Venice Film Festival. "Truly extraordinary! Be prepared for an experience such as you have never had. . . full of beauty and mood. You should find it fascinating!"—Crowther, *New York Times*.
- 8:15 p.m. Varsity Basketball: Duke versus N. C. State. Indoor Stadium.
- 10:00-12:00 midnight. Student Union Candlelight Cabaret. Union Ballroom.

#### Sunday, January 5

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Professor James T. Cleland. Sermon: "The Father of the Two Lost Boys." Broadcast over Radio Station WDNC and WDNC-FM.

#### Monday, January 6

- 4:15 p.m. Zoology Department Seminar. Speaker: Professor Daniel C. Tosteson. Biological Sciences Building Auditorium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 8:00 p.m. Erasmus Club Meeting. Speaker: Professor Robert S. Rogers. Green Room, East Duke Building.

#### Tuesday, January 7

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Harmon L. Smith.
- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.
- 2:00 p.m. Civil Engineering Seminar. Speaker: Professor Charles R. Vail. Room 232 Engineering Building.

**IMPORTANT**—Notices for the Duke University Calendar for January 12-18, should be submitted in **WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 12:00 noon on Wednesday, January 15, 1964.



- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:00 p.m. Mathematics Seminar. Speaker: Dr. Robert S. Spira. Room 114 Physics Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campns Pool open for women: faculty, staff members, and students.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.

### Wednesday, January 8

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Harmon L. Smith.
- 12:30 p.m. Faculty Club Luncheon Meeting. Union Ballroom. Speaker: Dr. W. C. Archie.
- 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building.
- 5:00-6:00 p.m. East Campns Pool open for women: faculty, staff members, and students.
- 6:00 p.m. Recognition Dinner for Recipients of Angier B. Duke Scholarships. West Union Ballroom.
- 7:00-10:00 p.m. Student Union Duplicate Bridge Club Meeting. Green Room, East Duke Building.
- 7:10 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Last Year at Marienbad" (In French with English sub-titles.) Directed by Alain Resnais. "Best Picture of Year"—Venice Film Festival. "Truly extraordinary! Be prepared for an experience such as you have never had. . . full of beauty and mood. You should find it fascinating!"—Crowther, *New York Times*.
- 8:00 p.m. Josiah C. Trent Medical History Society. Speaker: Dr. Genevieve Miller. 1415 Bivins Street.
- 8:15 p.m. Varsity Basketball: Duke versus Clemson. Clemson, S. C.

### Thursday, January 9

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Grayson B. Watson.
- 10:30 a.m. Final examination of Mr. Kenneth Webb for the Ph.D. degree in Religion. Library Conference Room.
- 12:30 p.m. Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Michael Barbour.
- 4:00 p.m. Undergraduate Faculty Council Meeting. Room 208 Flowers Building.
- 5:00-6:00 p.m. East Campns Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.

- 8:15 p.m. West Campns Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Friday, January 10

- 10:10 a.m. Divinity School Holy Communion. York Chapel. Dr. Harmon Smith, Celebrant.
- 4:30 p.m. Special Children's Concert by Duke Concert Band. Woman's College Auditorium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:00 p.m. Freshman Basketball: Duke versus U.N.C. Indoor Stadium.

### Saturday, January 11

- 12:30 p.m. Fall Semester Classes End.
- 2:00 p.m. Varsity Basketball: Duke versus U.N.C. Indoor Stadium. (televised)
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Last Year at Marienbad" (In French with English sub-titles.) Directed by Alain Resnais. "Best Picture of Year"—Venice Film Festival. "Truly extraordinary! Be prepared for an experience such as you have never had. . . full of beauty and mood. You should find it fascinating!"—Crowther, *New York Times*.
- 8:15 p.m. Chamber Arts Society Hungarian String Quartet. Music Room East Duke Building.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT UNION:** Friday, 6:15 P.M., Baptist Center, Supper and Worship.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**METHODIST CENTER:** Sunday, 9:00 A.M., Freshman Forum; Discussion of *The Cocktail Party*, by T. S. Eliot; 4:00 P.M., Full Council meeting; 6:00 P.M., Congregational Meal and Worship. **Thursday**, 9:00 P.M., Seminar: "Contemporary Criticisms of Christianity."

The State Conference of the North Carolina Methodist Student Movement will be held at Winston-Salem, February 7-9. Registration deadline is January 15. Cost is \$7.00. The major addresses will be given by the Rev. James Lawson of Memphis, Tennessee. For information contact the Methodist Center, 286-9230.

**WESTMINSTER FELLOWSHIP:** Sunday, Presbyterian Center, 6:15 P.M., Vespers.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, January 5th in the University Chapel.

The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University.

Lector: The Reverend James W. Stines, Chaplain to Baptist Students.

Opening Organ Voluntary—Prelude in F minor *bach*  
Choral Call to Worship—"The Lord Is In His Holy Temple" *Calvin W. Laufer*

Hymn of Adoration—"O God, Our Help In Ages Past" *William Croft*

Prayers of Confession and for Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Holy, Holy, Holy" from the Mass

*Aeterna Christi Munera* *G. P. da Palestrina*

Scripture Lesson—Luke 15:1-11

Hymn—"O My Soul, Bless God, the Father"

*Adapted from the melody in Psalmodia Sacra*

Call to Prayer

Prayer of Thanksgiving

Prayers of Intercession and Petition

The Offering

Offertory Organ Interlude

Anthem—"Rejoice in the Lord Alway" (The Bell Anthem) *Henry Purcell*

Response—The Doxology

Prayer of Dedication

Sermon—"The Father of the Two Lost Boys"

Prayer

Benediction

Choral Response—"Sevenfold Amen"

The Chimes *John Stainer*

Closing Organ Voluntary—Fugue in F minor *Bach*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, January 12th is the Reverend Dr. Howard C. Wilkinson, Chaplain to the University and Director of Religions Activities.

## JOINT ZOOLOGY AND BIOPHYSICS SEMINAR

The Department of Zoology and the Committee on Biophysics will hold a seminar on Friday, January 3rd at 2:00 p.m. in Room 130 of the Biological Sciences Building. Dr. Stanley Person, Department of Biophysics, Pennsylvania State University, will speak on "Differential Mutation Production by the Decay of Incorporated Tritium Compounds in *E. coli*." After the seminar those interested may adjourn to a laboratory for further demonstration of this work.

## PHYSIOLOGY SEMINAR

The Department of Physiology will hold a seminar on Friday, January 3rd at 3:30 p.m. in Room M-204 Medical Center. Dr. Neils Lassen from Copenhagen will speak on "The Use of Radioactive Xenon for the Measurement of Regional Blood Flow."

## ERASMUS CLUB MEETING

The next meeting of the Erasmus Club will be held on Monday, January 6th, at 8:00 p.m. in the Green Room of the East Duke Building. Professor

Robert S. Rogers of the Classics Department will give a paper on "Two Studies on Tiberius: 1. Ateius Capito and Tiberius. 2. Tiberius and the Tiber." Everyone is cordially invited to attend.

## ZOOLOGY DEPARTMENT SEMINAR

The Zoology Department will hold its seminar on Monday, January 6th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Professor Daniel C. Tosteson, Department of Physiology, will speak on "Enzymatic Basis of Active Transport of Na and Kin Sheep Red Cell Membrane." Coffee and tea will be served in the foyer at 4:00 p.m.

## MATHEMATICS SEMINAR

There will be a Mathematics Seminar on Tuesday, January 7th at 4:00 p.m. in Room 114 Physics Building. Dr. Robert S. Spira, Research Associate, Special Research in Numerical Analysis, Duke University will speak on "Introduction to the Four Color Problem and a New Result." Coffee will be served in Room 120 Physics Building at 3:30 p.m.

## CIVIL ENGINEERING SEMINAR

Dr. Charles R. Vail, Chairman and Professor of Electrical Engineering, will present a seminar sponsored by the Department of Civil Engineering entitled "An Electrical Engineer's View of Materials" on Tuesday, January 7th, at 2:00 p.m. in Room 232 of the Engineering Building. All members of the faculty, undergraduate and graduate students are invited to attend.

## FACULTY CLUB LUNCHEON MEETING

The Faculty Club will meet at luncheon on Wednesday, January 8th at 12:30 p.m. in the Union Ballroom. Dr. W. C. Archie, Director of Higher Education in the Department of Education of the State of North Carolina, will be the speaker. Dr. Archie's topic will be "Recent Developments in Public Higher Education in North Carolina."

## RECOGNITION DINNER FOR RECIPIENTS ANGIER B. DUKE SCHOLARSHIP

The annual recognition dinner honoring the recipients of the Angier B. Duke Memorial Scholarships will be held on Wednesday, January 8th, at 6:00 p.m. in the West Union Ballroom. Dean Alan K. Manchester, Chairman of the Angier B. Duke Memorial Scholarship Committee, will address the group; the response will be made by Mr. Joseph Allen, executive assistant to the chairman of the Duke Endowment and assistant to the president of the Angier B. Duke Memorial, Inc. Special guests will include President Douglas M. Knight and the officers of the Angier B. Duke Memorial, Inc.



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## JOSIAH C. TRENT MEDICAL HISTORY SOCIETY

Dr. Genevieve Miller, Curator of the Howard Dittrick Museum of Historical Medicine of Cleveland, will speak to the Josiah C. Trent Medical History Society at the home of Dr. and Mrs. James H. Semans, 1415 Bivins Street, on Wednesday, January 8th at 8:00 p.m. Her subject will be, "The Unicorn and Medicine." Those who will attend are requested to call Mr. Kelly in the Trent Room of the Medical Center Library, extension 3505.

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## BOTANY SEMINAR

The Botany Seminar will be held on January 8th, at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. Edward G. Barry, Assistant Professor of Botany at the University of North Carolina will speak on "Chromosome Aberrations of *Neurospora crassa*." Refreshments will be served in the foyer at 4 p.m.

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## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Kenneth Webb for the Ph.D. degree in Religion will be held on Thursday, January 9th at 10:30 a.m. in the Library Conference Room. The subject of Mr. Webb's dissertation is "The Political Thought of Samuel Rutherford." The committee to conduct the examination consists of Professors Waldo Beach, Robert E. Cushman, Ray C. Petry, H. Shelton Smith, and John H. Hallowell, minor field. Professor Beach will preside.

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## ECOLOGY SEMINAR

The Ecology Seminar will be held on Thursday, January 9th, at 12:30 p.m. in Room 144 Biological Sciences Building. Michael Barbour, graduate student in plant ecology, will speak on "Early Growth of Annual and Perennial Rye Grass." All interested persons are cordially invited to attend.

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## UNDERGRADUATE FACULTY COUNCIL

There will be an Undergraduate Faculty Council meeting on Thursday, January 9th at 4:00 p.m. in Room 208 Flowers Building.

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## CHAMBER ARTS SOCIETY HUNGARIAN STRING QUARTET

The Chamber Arts Society will present the third concert of its season, to be played by the Hungarian String Quartet on Saturday, January 11th, at 8:15 p.m. in the Music Room, East Duke Building. The concert is the thirteenth to be presented here by the Hungariau Quartet, the first being in December, 1948. The musicians are Zoltan Szekely and Michael Kuttuer

(Violins), Denes Koromzay (Viola) and Gabriel Magyar (Cello). The Program follows:

Haydn.....Quartet in F major, Opus 3, No. 5 ("Serenade")  
Franck.....Quartet in D major  
Bartok.....Fifth Quartet (1934)

Other Chamber Music Concerts scheduled this season include:

February 8 (Saturday).....Quartetto Italiano  
March 21 (Saturday).....Fine Arts Quartet  
April 11 (Saturday).....New York String Sextet

Admission:

All membership cards for the current season are subscribed. A guest card for a single admission to any one concert costs \$2.50. About 60 guest cards are available for each concert; they may be obtained at the Music Room door from 7:30 to 8:00 p.m. on concert evenings. Inquiries may be addressed to Chamber Arts Society, c/o Ernest W. Nelson, Box 6065, College Station.

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## SPECIAL CHILDREN'S CONCERT BY DUKE CONCERT BAND

The Duke Concert Band, composed of sixty-five Duke musicians under the direction of Paul Bryan, will give a Special Children's Concert on Friday, January 10th at 4:30 p.m. in the Woman's College Auditorium. Admission will be free for all. This concert has been arranged through the cooperation of Professor Paul Bryan, the Department of Music and the special committee of the Durham Chapter of the N. C. Symphony Society under the chairmanship of Mrs. Max Samfield.

The program follows:

National Emblem March.....Bagley  
1912 Overture.....Iain Hamilton  
Aria—Care Selve.....Handel  
Victory at Sea.....Richard Rogers  
The Man Who Invented Music.....Don Gillis  
(written for narrator and band and introduces the various instruments)  
Mexican Dance "La Bomba Veracruz".....Tucci  
Valzen Campestro.....Marinuzzi  
(feature the English Horn)  
Cornfeds.....Paul Bryan  
(march based on Confederate tunes: "Yellow Rose of Texas," "Join the Cavalry," "Lorena.")

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## ART EXHIBITIONS

The Department of Art and the Student Union Fine Arts Committee announce two new exhibits for the East and West Gallery areas which may be seen during January 6-31 between the hours of 8:00 a.m. and 10:00 p.m.

A collection of early book art, a traveling exhibition on loan from the North Carolina Museum of Art in Raleigh, is currently on display in the East Gallery of the Woman's College Library.

The collection contains 39 book leaves, all from the 15th and 16th centuries. Thirteen are vellum sheets from hand-written and hand-illuminated manuscripts, with one of these, a calendar page from a Book of Hours, estimated to date to 1430.

The remaining leaves are early printed pages, embellished with woodcuts, except for two early Bible

pages that display only hand-illuminated initials. Thirteen of these printed pages come from the 15th century, several from the 1470's, only 30 years after Gutenberg's first printed Bible and only ten years after woodcut illustrations were introduced.

North Carolina Museum of Art director Dr. Justus Bier calls the book art items "examples of a minor art, but great works of art nevertheless." He points out that the traveling exhibition "will bring to the galleries of the State works which can rival in quality the best of all times."

A second appropriation from the Reby Lewis Purchase Fund aided in the purchase of the book art collection. The first appropriation, in 1961, also went toward a traveling exhibition, a collection of graphic art drawn from the artists of North Carolina and called North Carolina Printmakers.

A one man show of photographs by Leonard Kamsler, '57, formerly of Raleigh and now a free lance feature photographer in New York may be seen in the gallery area of West Union Building. Mr. Kamsler has specialized in the area of photography in sports and commercial and educational enterprises. A major contributor to "Golf" and "Ski" magazines he has also been featured in "Sports Illustrated," "This Week," "Pageant," "Coronet" and numerous commercial publications.

As an undergraduate at Duke, Mr. Kamsler was chief photographer for the *Chanticleer*, sports and feature editor for the *Chronicle* and did feature work for *Archive* and *Peer*. His color filming of Camp Seagull activities was his first major commercial effort and will be recalled particularly by those in this area. His work was last seen in a one man show on the campus in 1957. More recently he has contributed to the *Duke Alumni Register*.

### RE-REGISTRATION OF AUTOMOBILES

Vehicle registration emblems for faculty, staff, and employees expire February 29, 1964. Some faculty, staff, and employees have registered their vehicles and received a registration emblem with an expiration date of February 28, 1967. All Duke University faculty, staff, and employees whose current vehicle registration emblems bear an expiration date of February 29, 1964 must re-register the vehicle and display the new registration emblem on the rear bumper of the vehicle by March 1, 1964.

Registration places are:

1. Hospital and Medical School personnel, including all faculty, staff, and employees, register at the office of the Personnel Director, Room 1160 Duke University Medical Center.
2. All other faculty, staff, and employees register at the Traffic Office, 05 Allen Building.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. David Gerke for the Ph.D. degree in Physics was held on Monday, December 23rd, at 7:30 p.m. in Room 218 Physics Building.

The subject of Mr. Gerke's dissertation was " $C^{12}(d,p)C^{13}$ : Distorted Wave Born Approximation Analysis of Proton Angular Distributions and Proton-Gamma Angular Correlations." The committee who conducted the examination consisted of Professors Henry W. Newson, L. C. Biedenharn, Ronald Tilley, and F. G. Dressel, Mathematics. Professor Newson presided.

### S. U. FINE ARTS FILM FESTIVAL RE-SCHEDULE

The Student Union Fine Arts Film Festival originally scheduled for Tuesday, January 7th has been re-scheduled for Thursday, February 20th at 7:30 p.m. in Page Auditorium. It will be open to the public without charge.

### DELEGATE HOUSING NEEDED FOR U. N. MODEL ASSEMBLY

The Middle South United Nations Model General Assembly, which parallels the organization and functioning of the U. N. itself, will be held on the Duke Campus February 12th-15th. Delegates representing various U. N. member nations are expected to number nearly 400 from at least 50 colleges and universities.

All faculty and staff members have been contacted and asked to assist in housing the delegates for the three-day assembly. The Secretariat would like to request University Community members who would be able to house one or more delegates to please return the card sent them by the Housing Committee or call extension 2909.

### ADVANCE NOTICE STUDY GROUP ON PROBLEMS OF WORLD ORDER

An informal study group on disarmament and the development of world order will meet at the World Rule of Law Center during the spring semester. The study group, led by Daniel G. Partan, Research Associate at the Center, will discuss defense policy, the regulation of the threat or use of force in international relations, the effectiveness of present peace-keeping machinery, and arms control and disarmament proposals. There will be twelve meetings on Monday evenings, 8:00-9:30 p.m., beginning February 3rd, at the World Rule of Law Center, Room 201, Law School. The group will use mimeographed materials and selections from *Legal and Political Problems of World Order*, compiled and edited by Professor Saul H. Mendlovitz of Rutgers University Law School, and from *World Peace Through World Law*, a comprehensive plan for revision of the Charter of the United Nations developed by Grenville Clark and Louis B. Sohn. Both books and other assigned readings will be available to study group participants at a special combined price of five dollars. Interested persons are urged to contact Mr. Partan at the World Rule of Law Center, extension 3518. The study group will be limited to fifteen persons.



## VOTING ASSISTANCE

CORE members and other faculty and students with cars interested in transporting prospective Negro voters to places of registration on Saturday, January 4th, are requested to call Mr. John Edwards, 682-8106 or 688-5445 after 10:00 p.m.; Mr. Ellis D. Jones, Jr. 681-2006; or meet in front of the Chapel at 1:00 p.m. on Saturday, January 4th.

## FALL 1963-1964 DUKE UNIVERSITY OFFICIAL EXAMINATION SCHEDULE

ANY STUDENT HAVING A SCHEDULE OF THREE EXAMINATIONS WITHIN TWENTY-FOUR HOURS OR TWO EXAMINATIONS AT THE SAME TIME MUST REPORT TO THE DEAN'S OFFICE *NOT LATER THAN* January 6, 1964 TO REQUEST A CHANGE IN SCHEDULE.

Friday January 10	6:00- 7:00 p.m.	Physical Education
Monday January 13	Reading Period	No examination scheduled
Tuesday January 14	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 4 All Language 1 Engineering 1.5-1.8 Philosophy 48
Wednesday January 15	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 1 MWF 7 Political Science 11, 61
Thursday January 16	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Botany 1 TTS 3 Physics 1, 41
Friday January 17	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Chemistry 1, 1X TT 6 Engineering 1.1-1.4 Economics 57
Saturday January 18	9:00-12:00 noon 2:00- 5:00 p.m.	English 1 MWF 3
Monday January 20	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 2 History 1, 1X Economics 51
Tuesday January 21	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 5 TT 7 TTS 4 Math 11, 21, 41

Wednesday January 22	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 6 French, Spanish 63 TT 8
Thursday January 23	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 1 Religion 1, 1X TTS 2
Friday January 24	9:00-12:00 noon 2:00- 5:00 p.m.	MWF 5 Naval Science

ENGINEERING COURSES, OTHER THAN ENGINEERING 1, WILL MEET FOR EXAMINATION AT THE REGULAR CLASS PERIODS.

Chemistry (except Chemistry 1) and Zoology classes meet for examination at the time scheduled for their general lecture period. ANY EXAMINATION NOT COVERED IN THE FOREGOING SCHEDULE IS TO BE ARRANGED BY THE INSTRUCTOR IN CHARGE OF THE COURSE IN THE PERIOD BEGINNING January 14, 9:00 a.m. AND ENDING January 24, 5:00 p.m. NO EXAMINATION IS TO BE GIVEN BEFORE 9:00 a.m., January 14, WITH THE EXCEPTION OF PHYSICAL EDUCATION. NO CHANGE IS TO BE MADE IN ANY SCHEDULED EXAMINATION WITHOUT THE APPROVAL OF THE COMMITTEE.

University Schedule Committee

## ADVANCE NOTICE BACH ARIA GROUP

The Bach Aria Group will perform on Tuesday, February 4th at 8:15 p.m. in Page Auditorium under the auspices of the Artists Series. The only performing organization of its kind, possessing an unusual feature in that it places instrumental and vocal soloists on equal footing, the Bach Aria Group consists of famed singers Eileen Farrell, soprano; Carol Smith, alto; Jan Peerce, tenor; and Norman Farrow, bass-baritone—and equally distinguished instrumentalists Julius Baker, flute; Robert Bloom, oboe; Bernard Greenhouse, cello; Oscar Shumsky, violin; and Paul Ulanowsky, piano. It is a combination without parallel of virtuosi who have come together to present the most tuneful music that Bach ever wrote. Performances by this unique ensemble have taken them through the United States, Canada, South America and Europe.

Remaining tickets are priced at \$2.50 and \$2.00 and are available in Room 202-A Flowers Building or by calling Extension 2911.

WEEK OF  
Jan. 12-18, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



WEEK OF  
Jan. 12-18, 1964

## Events of the Week

### Sunday, January 12

- Denominational Meetings. See special notice.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. Howard C. Wilkinson. Sermon: "Savonarola in the Duke Chapel." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, January 13

- 4:15 p.m. Zoology Seminar. Speaker: Professor Irving T. Diamond. Auditorium Biological Sciences Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.  
8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, January 14

- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.  
2:00 p.m. Final Examination of Mr. Ralph R. Napp for the Ed.D. degree in Education. Room 08A West Duke Building.  
3:00 p.m. Campus Club Tea. Home of Dr. and Mrs. Knight, 2138 Campus Dr.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

### Wednesday, January 15

- 4:30 p.m. Joint Duke-UNC Psychology Colloquium Meeting Room 130, Building XI.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
7:08 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Crooks Anonymous" with Wilfrid Hyde White and James Robertson Justice. An irresistibly funny piece of English fluff for the exam period.

### Thursday, January 16

- 2:15 p.m. Physics Colloquium. Speaker: Dr. N. R. Werthamer. Room 114 Physics Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
5:00 p.m. Faculty Volleyball. Indoor Stadium.  
7:30 p.m. Society of Friends Meeting. Friends Meeting House, Alexander Ave.  
8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Friday, January 17

- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.  
8:00 p.m. Newcomers' Club Meeting. Speaker: Mrs. James H. Semans. Music Room East Duke Building.

**IMPORTANT**—Notices for the Duke University Calendar for January 19-25, should be submitted in **WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 12:00 noon on Wednesday, January 15, 1964.



## Saturday, January 18

7:08 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Crooks Anonymous" with Wilfrid Hyde White and James Robertson Justice. An irresistibly funny piece of English fluff for the exam period.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER:** Sunday, 1:45 P.M., Rides leave East and West circles for Murdoch School at Butner: teaching and recreation with the mentally retarded.

**EPISCOPAL CENTER:** Sunday, 9:30 A.M., Holy Communion. Wednesday, 7:10 A.M. and 5:30 P.M., Holy Communion.

**METHODIST CENTER:** Sunday, 6:00 P.M., Evening Prayer; Cranford Johnson, Preacher.

The Methodist Center invites members of the University community to make use of its facilities for study during the examination period.

The State Convention of the North Carolina Methodist Student Movement will be held at Winston-Salem, February 7-9. Registration deadline is January 15. Cost is \$7.50. The major addresses will be given by the Rev. James Lawson of Memphis, Tennessee. For information contact the Methodist Center, 286-9230.

**PRESBYTERIAN CENTER:** Sunday, 6:20 P.M., Service of Holy Communion.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, January 12th in the University Chapel.

The order of worship follows:

Presiding Minister: The Reverend Professor James T. Cleland, Dean of the Chapel.

Lector: The Reverend Charles E. Johnson, Chaplain to Presbyterian Students.

Opening Organ Voluntary—Suite from the "Water Music"

*Handel*

Choral Call to Worship—"The Lord Is in His Holy Temple"

*Calvin W. Laufer*

Hymn of Adoration—"O for a Thousand Tongues To Sing"

*Carl G. Glasser*

*Arr. by Lowell Mason*

Prayers of Confession and for Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Elegischer Gesang" *Beethoven*

Scripture Lesson—I Corinthians 6 (selected verses)

Hymn—"The Church's One Foundation" *Samuel S. Wesley*

Call to Prayer

Prayer of Thanksgiving

Prayers of Intercession and Petition

The Offering

Offertory Organ Interlude

Anthem—"O Sing Unto the Lord"

*Henry Purcell*

Response—The Doxology

Prayer of Dedication

Sermon—"Savonarola in the Duke Chapel"

Prayer

Benediction

Choral Response—"Sevenfold Amen"

*John Stainer*

The Chimes

Closing Organ Voluntary—Carillon

*Vierne*

The preacher who is scheduled to deliver the sermon at the University Service of Worship Next Sunday, January 19th, is the Reverend Dr. Stuart C. Henry, Associate Professor of American Christianity, in the Divinity School.

### ZOOLOGY SEMINAR

The Zoology Department will hold a seminar on Monday, January 13th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Professor Irving T. Diamond, Department of Psychology, will speak on "The Functions of Homologous Neural Structures." Coffee and tea will be served in the foyer at 4:00 p.m.

### FINAL EXAMINATION FOR THE ED.D. DEGREE

The final examination of Mr. Ralph R. Napp for the Ed.D. degree in Education will be held on Tuesday, January 14th at 2:00 p.m. in Room 08A West Duke Building. The subject of Mr. Napp's dissertation is "Isolation and Analysis of Certain Factors which may Influence Students to Enroll at East Carolina College." The committee to conduct the examination consists of Professors William H. Cartwright, E. C. Bolmeier, W. Scott Gehman, Everett Hopkins, and Donald F. Roy. Professor Cartwright will preside.

### CAMPUS CLUB TEA

The Campus Club will honor Honorary Members at a tea on Tuesday, January 14th from 3:00 p.m. to 5:00 p.m. at the home of Dr. and Mrs. Douglas Knight, 2138 Campus Drive.

Special guests for the occasion will be the mothers of Campus Club members and faculty, all of whom are cordially invited. Mrs. J. H. Saylor is Chairman of the tea and Mrs. Robert Cushman is Program Chairman, with the departments of Air Science, Chemistry and English serving as hostesses.

### JOINT DUKE-UNC PSYCHOLOGY COLLOQUIUM

The joint Duke-UNC Psychology Colloquium will meet on Wednesday January 15 at 4:30 p.m. in room 130, building XI. Dr. Norman T. Fether of the University of New England, N.S.W., Australia, will speak on "A Structural Balance Model of Communication Effects."

### PHYSICS COLLOQUIUM

There will be a Physics Colloquium on Thursday, January 16th at 2:15 p.m. in Room 114 Physics Building. Dr. N. R. Werthamer, Bell Telephone Laboratories, will speak on "Boundary Effect in Superconductors."

### SOCIETY OF FRIENDS MEETING

The Society of Friends will hold a business meeting on Thursday, January 16th at 7:30 p.m. at Friends Meeting House on Alexander Avenue. The meeting will be preceded by a potluck supper at 6:00 p.m. For information call Mrs. Martha Klopfer, 286-5898.

### NEWCOMERS' CLUB MEETING

The Duke University Newcomers' Club will meet on Thursday, January 16th at 8:00 p.m. in the Music Room of East Duke Building. Mrs. James H. Semans, an alumna, a trustee, and a member of Duke University's founding family, will speak to the group on "The Story of Duke University." A reception will follow the program in the Mary Duke Biddle and Alumni Rooms. Members are invited to bring their husbands or a guest to the event.

### ADVANCE NOTICE GERONTOLOGY COUNCIL

The Gerontology Council will meet on Tuesday, January 21st at 5:00 p.m. in Room 208 Flowers Building. Richard L. Strecker, Visiting Professor of Law, Vanderbilt University will speak on the subject "Aging and Tax Policy." All interested persons are cordially invited to attend.

### ADVANCE NOTICE STUDY GROUP ON PROBLEMS OF WORLD ORDER

An informal study group on disarmament and the development of world order will meet at the World Rule of Law Center during the spring semester. The study group, led by Daniel G. Partan, Research Associate at the Center, will discuss defense policy, the regulation of the threat or use of force in international relations, the effectiveness of present peace-keeping machinery, and arms control and disarmament proposals. There will be twelve meetings on Monday evenings, 8:00-9:30 p.m., beginning February 3rd, at the World Rule of Law Center, Room 201, Law School. The group will use mimeographed materials and selections from **Legal and Political Problems of World Order**, compiled and edited by Professor Saul H. Mendlovitz of Rutgers University Law School, and from **World Peace Through World Law**, a comprehensive plan for revision of the Charter of the United Nations developed by Grenville Clark and Louis B. Sohn. Both books and other assigned readings will be available to study group participants at a special combined price of five dollars. Interested persons are urged to contact Mr. Partan at the World Rule of Law Center, extension 3518. The study group will be limited to fifteen persons.

### ADVANCE NOTICE BACH ARIA GROUP

The Bach Aria Group will perform on Tuesday, February 4th at 8:15 p.m. in Page Auditorium under the auspices of the Artists Series. The only performing organization of its kind, possessing an unusual feature in that it places instrumental and vocal soloists

on equal footing, the Bach Aria Group consists of famed singers Eileen Farrell, soprano; Carol Smith, alto; Jan Peerce, tenor; and Norman Farrow, bass-baritone—and equally distinguished instrumentalists Julius Baker, flute; Robert Bloom, oboe; Bernard Greenhouse, cello; Oscar Shumsky, violin; and Paul Ulanowsky, piano. It is a combination without parallel of virtuosi who have come together to present the most tuneful music that Bach ever wrote. Performances by this unique ensemble have taken them through the United States, Canada, South America and Europe.

Remaining tickets are priced at \$2.50 and \$2.00 and are available in Room 202-A Flowers Building or by calling Extension 2911.

### DELEGATE HOUSING NEEDED FOR U. N. MODEL ASSEMBLY

The Middle South United Nations Model General Assembly, which parallels the organization and functioning of the U. N. itself, will be held on the Duke Campus February 12th-15th. Delegates representing various U. N. member nations are expected to number nearly 400 from at least 50 colleges and universities.

All faculty and staff members have been contacted and asked to assist in housing the delegates for the three-day assembly. The Secretariat would like to request University Community members who would be able to house one or more delegates to please return the card sent them by the Housing Committee or call extension 2909.

### RE-REGISTRATION OF AUTOMOBILES

Vehicle registration emblems for faculty, staff, and employees expire February 29, 1964. Some faculty, staff, and employees have registered their vehicles and received a registration emblem with an expiration date of February 28, 1967. All Duke University faculty, staff, and employees whose current vehicle registration emblems bear an expiration date of February 29, 1964 must re-register the vehicle and display the new registration emblem on the rear bumper of the vehicle by March 1, 1964.

Registration places are:

1. Hospital and Medical School personnel, including all faculty, staff, and employees, register at the office of the Personnel Director, Room 1160 Duke University Medical Center.

2. All other faculty, staff, and employees register at the Traffic Office, 05 Allen Building.

### ART EXHIBITIONS

The Department of Art and the Student Union Fine Arts Committee announce two new exhibits for the East and West Gallery areas which may be seen during January between the hours of 8:00 a.m. and 10:00 p.m.

A collection of early book art, a traveling exhibition on loan from the North Carolina Museum of Art in Raleigh, is currently on display in the **East Gallery of the Woman's College Library**.

The collection contains 39 book leaves, all from the 15th and 16th centuries. Thirteen are vellum sheets



from hand-written and hand-illuminated manuscripts, with one of these, a calendar page from a Book of Hours, estimated to date to 1430.

The remaining leaves are early printed pages, embellished with woodcuts, except for two early Bible pages that display only hand-illuminated initials. Thirteen of these printed pages come from the 15th century, several from the 1470's, only 30 years after Gutenberg's first printed Bible and only ten years after woodcut illustrations were introduced.

North Carolina Museum of Art director Dr. Justus Bier calls the book art items "examples of a minor art, but great works of art nevertheless." He points out that the traveling exhibition "will bring to the galleries of the State works which can rival in quality the best of all times."

A one man show of photographs by Leonard Kamsler, '57, formerly of Raleigh and now a freelance feature photographer in New York may be seen in the gallery area of West Union Building. Mr. Kamsler has specialized in the area of photography in sports and commercial and educational enterprises. A major contributor to "Golf" and "Ski" magazines he has also been featured in "Sports Illustrated," "This Week," "Pageant," "Coronet" and numerous commercial publications.

As an undergraduate at Duke, Mr. Kamsler was chief photographer for the *Chanticleer*, sports and feature editor for the *Chronicle* and did feature work for *Archive* and *Peer*. His color filming of Camp Seagull activities was his first major commercial effort and will be recalled particularly by those in this area. His work was last seen in a one man show on the campus in 1957. More recently he has contributed to the *Duke Alumni Register*.

### INTERNATIONAL RELATIONS GRANTS

The University Committee on International Relations now has available certain funds which will be used for a limited number of grants. The purpose of these grants will be to stimulate and strengthen teaching and research in international relations at all levels of the University. All members of the faculty will be eligible for the grants, but special consideration will be given to younger scholars, and to those developing new courses or areas of study. Grants may be made for summer research, travel, and similar activities.

Applications should be submitted to Professor William P. Yohe, Department of Economics, 306 Gray Building no later than February 15th. Further details can be obtained from Professor Yohe or other members of the committee.

For purposes of delimiting the scope of its activities, the committee has adopted the working definition of the field of "international relations" as "those studies which can lead to an understanding of contacts, connections, and intercourse between sovereign states in the modern world." Such a definition implies that the core of international relations involves "the functions or exercise of governmental authority" but that there are "many paths to political understanding." There is thus no *a priori* case for either

including or excluding proposals from any particular academic discipline.

The committee consists of Professors William P. Yohe, Chairman (Economics); David G. Bradley (Religion); Robinson O. Everett (Law); J. Harris Proctor (Political Science); William E. Scott (History) and Patrick R. Vincent (Romance Languages).

### TIME CHANGE FOR SPRING RECESS

President Knight has approved the following change in the University Calendar for the spring semester:

Change the time for **starting** the spring vacation from 5:00 p.m. to 12:30 p.m. on Thursday, March 26th.

### STUDENT RECITAL CANCELLED

The student recital scheduled for Sunday, January 12th in the Music Room, East Duke Building has been cancelled.

### WORK-STUDY PROJECTS FOR NICARAGUA

The Duke University Religious Council will again sponsor two work-study projects in Nicaragua for Duke students and staff. The basic work of these projects is to provide Duke students with an intensive first-hand experience of life in a Latin American country and to give them a chance, in a small but significant way, to improve the health and education standards of this underdeveloped country. One of the projects will be located in the capital city of Managua, and the other in Pearl Lagoon on the eastern coast.

Any interested student or staff member of the University may obtain further information and application blanks from Reverend James W. Stines at the Baptist Student Center; Reverend Jack W. Carroll at the Methodist Student Center; or from the Chapel office. Please leave your name at one of the above places when picking up an application. Application deadline is January 15th.

### TRIANGLE PLAYERS PRESENT ONE-ACT PLAYS

A new amateur theater group, the Triangle Players, will begin a series of Sunday night performances this Sunday at the Triangle Coffee House on Duke University Road.

The group, composed of alumni, faculty, and students of the universities in the Triangle Area, will present new one-act plays performing each play twice at 9:00 p.m. and 10:30 p.m. on each Sunday during the season. There is no admission charge to any performance.

The first play scheduled on the season's calendar is "The Last Peace," a one-act play by Buck Roberts, Duke AB '52, MA '53, of Durham. It will be performed this Sunday, January 12th and the following week on January 19th.

WEEK OF  
Jan. 19-25, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



WEEK OF  
Jan. 19-25, 1964

## Events of the Week

### Sunday, January 19

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. Stuart C. Henry, Associate Professor of American Christianity in the Divinity School. Sermon: "Not of Our Own Doing." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, January 20

1:00 p.m. Final examination of Mrs. Elaine K. Crovitz for the Ph.D. degree in Psychology. Room 3506 Gerontology Building.

4:15 p.m. Zoology Seminar. Speaker: Mr. Jack Hailman. Auditorium of Biological Sciences Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, January 21

10:00 a.m. Final examination of Mr. Cary S. Henderson for the Ph.D. degree in History. Room 235 Allen Building.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30 p.m. Gerontology Council. Speaker: Professor Richard L. Strecker. Room 208 Flowers Building.

7:30 p.m. The Society of Book Collectors and Book Lovers Meeting. Schrafft's Country Inn, Durham-Chapel Hill Boulevard. Speaker: The Reverend W. W. Yardley.

### Wednesday, January 22

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:00 p.m. Chapel Choir Rehearsal. University Chapel.

**NOTE:** There will be no Quadrangle Pictures during the week of Final Exams.

### Thursday, January 23

4:00 p.m. Academic Council Meeting. Room 208 Flowers Building.

4:00 p.m. Physiology and Pharmacology Seminar. Speaker: Dr. Julius Axelrod. Room M-204 Davison Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:00 p.m. Faculty Volleyball. Indoor Stadium.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

**IMPORTANT**—Notices for the Duke University Calendar for January 26-February 1, should be submitted in **WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 12:00 noon on Wednesday, January 22, 1964.



## Friday, January 24

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

## Saturday, January 25

Fraternity Rush. (January 25-29)

NOTE: There will be no Quadrangle Pictures during the week of Final Exams.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER:** Sunday, 1:45 P.M., Rides leave from circles for Murdoch School at Butner. New teachers for this program are urgently needed for more individual attention to the retarded persons involved. No one will be required to lead a group during his first session. Call the Baptist Center for further information (286-6097).

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL CENTER:** Sunday, 9:30 A.M., Holy Communion. Wednesday, 7:10 A.M. and 5:30 P.M., Holy Communion.

The Episcopal Center is open for study during the exam period. All persons in the University are welcome to make use of the Center.

**METHODIST CENTER:** Sunday, 6:00 P.M., Evening Prayer. Wednesday, January 29, 9:00 A.M., Council Planning Retreat at the Methodist Center. There will be no service of Evening Prayer on January 26. Services will be resumed on February 2.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Stuart C. Henry, Associate Professor of American Christianity in the Divinity School, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, January 19th in the University Chapel. The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson,  
Chaplain to the University

Lector: The Reverend A. Jack Wilson, III, Associate Director  
of Religious Life, West Campus

Opening Organ Voluntary—Partita sopra *Johann G. Walther*  
"Jesu, Meine Freude"

Choral Call to Worship—"The Lord Is in His Holy Temple"

Hymn of Adoration—"God of Grace and God of Glory"  
*Calvin W. Laufer*  
*John Hughes*

Prayers of Confession and for Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Creation"

Scripture Lesson—Ephesians 2: 1-10

Hymn—"The King of Love My Shepherd Is"

*William Billings*

*John B. Dykes*

Call to Prayer

Prayer of Thanksgiving

Prayers of Intercession and Petition

The Offering

Offertory Organ Interlude

Anthem—"Be Glad Then America"

*William Billings*

Response—The Doxology

Prayer of Dedication

Sermon—"Not of Our Own Doing"

Prayer

Benediction

Choral Response—"Sevenfold Amen"

*John Stainer*

The Chimes

Closing Organ Voluntary—Dialogue sur les Trompettes

*Francois Couperin*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, January 26th is the Reverend Dr. James T. Cleland, Dean of the Chapel and James B. Duke Professor of Preaching, in the Divinity School.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mrs. Elaine K. Crovitz for the Ph.D. degree in Psychology will be held on Monday, January 20th at 1:00 p.m. in Room 3506 Gerontology Building. The subject of Mrs. Crovitz's dissertation is "Visual Discrimination Learning in Elderly Subjects." The committee to conduct the examination consists of Professors Walter D. Obrist, C. Alan Boneau, Gregory A. Kimble, Martin Lakin, and Allen C. Kerekhoff. Professor Obrist will preside.

### ZOOLOGY SEMINAR

The Zoology Department will hold a seminar on Monday, January 20th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Mr. Jack P. Hailman, of the Department of Zoology, will speak on "The Learning of an Instinct." Coffee and tea will be served in the foyer at 4:00 p.m.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Cary S. Henderson for the Ph.D. degree in History will be held on Tuesday, January 21st at 10:00 a.m. in Room 235 Allen Building. The subject of Mr. Henderson's dissertation is "Congressman John Taber of Auburn: Politics and Federal Appropriations, 1923-1962." The committee to conduct the examination consists of Professors Richard L. Watson, Jr., Donald Gillin, W. B. Hamilton, Harold Parker, and Harris Proctor. Professor Watson will preside.

### GERONTOLOGY COUNCIL

The Gerontology Council will meet on Tuesday, January 21st at 5:00 p.m. in Room 208 Flowers Building. Richard L. Strecker, Visiting Professor of Law, Vanderbilt University will speak on the subject "Aging and Tax Policy." All interested persons are cordially invited to attend.

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## THE SOCIETY OF BOOK COLLECTORS AND BOOK LOVERS

The first meeting of the Society of Book Collectors and Book Lovers will be held on Tuesday, January 21st at 7:30 p.m. in the Pine Room of Schrafft's Country Inn on the Durham-Chapel Hill Boulevard. The Reverend W. W. Yardley, the Rector of Chatham Hall, Virginia, an authority and a collector of the novels of Anthony Trollope, will give a causerie on that exuberant and prolific Victorian writer. Members will discuss and decide upon a name for the Society and will elect a Secretary. Refreshments will be provided.

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## ACADEMIC COUNCIL MEETING

The Academic Council will meet on Thursday, January 23rd at 4:00 p.m. in Room 208 Flowers Building. The business of the meeting will concern a discussion of certain analyses and problems related to them that now confront the University. The discussion will be led by Vice-President Frank Ashmore, Mr. Thomas Broce, and Professors R. Lumiansky, L. Anderson, B. Woodhall, J. Spengler, F. Paschal, and T. J. Wilson.

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## PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, January 23rd at 4:00 p.m. in Room M-204 Davison Building. Dr. Julius Axelrod of the Laboratory of Clinical Science, National Institute of Mental Health, will speak on "The Fate of Catecholamines and the Effect of Drugs."

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## ART EXHIBITIONS

The Department of Art and the Student Union Fine Arts Committee announce two new exhibits for the East and West Gallery areas which may be seen during January between the hours of 8:00 a.m. and 10:00 p.m.

A collection of early book art, a traveling exhibition on loan from the North Carolina Museum of Art in Raleigh, is currently on display in the East Gallery of the Woman's College Library.

The collection contains 39 book leaves, all from the 15th and 16th centuries. Thirteen are vellum sheets from hand-written and hand-illuminated manuscripts, with one of these, a calendar page from a Book of Hours, estimated to date to 1430.

The remaining leaves are early printed pages, embellished with woodcuts, except for two early Bible pages that display only hand-illuminated initials. Thirteen of these printed pages come from the 15th century, several from the 1470's, only 30 years after Gutenberg's first printed Bible and only ten years after woodcut illustrations were introduced.

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galleries of the State works which can rival in quality the best of all times."

A one man show of photographs by Leonard Kamsler, '57, formerly of Raleigh and now a free lance feature photographer in New York may be seen in the gallery area of West Union Building. Mr. Kamsler has specialized in the area of photography in sports and commercial and educational enterprises. A major contributor to "Golf" and "Ski" magazines he has also been featured in "Sports Illustrated," "This Week," "Pageant," "Coronet" and numerous commercial publications.

As an undergraduate at Duke, Mr. Kamsler was chief photographer for the *Chanticleer*, sports and feature editor for the *Chronicle* and did feature work for *Archive* and *Peer*. His color filming of Camp Seagull activities was his first major commercial effort and will be recalled particularly by those in this area. His work was last seen in a one man show on the campus in 1957. More recently he has contributed to the *Duke Alumni Register*.

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## CONFERENCE ON RELIGIOUS VOCATIONS AT UNION THEOLOGICAL SEMINARY

The annual Conference on Religious Vocations for College Women will be held at Union Theological Seminary in New York City, February 7th, 8th, and 9th. The Conference is planned to bring the challenge of church vocations to outstanding college women who have shown an interest in religion and to open up varied possibilities in religious fields to them. This includes the field of sacred music. Anyone interested in being nominated as a delegate to this Conference should contact Miss Barbara Benedict, the Associate Director of Religious Activities on East Campus, in 110 Faculty Apartments, or call extension 2909, within the week.

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## ADVANCE NOTICE BACH ARIA GROUP

The Bach Aria Group will perform on Tuesday, February 4th at 8:15 p.m. in Page Auditorium under the auspices of the Artists Series. The only performing organization of its kind, possessing an unusual feature in that it places instrumental and vocal soloists on equal footing, the Bach Aria Group consists of famed singers Eileen Farrell, soprano; Carol Smith, alto; Jan Peerce, tenor; and Norman Farrow, bass-baritone—and equally distinguished instrumentalists Julius Baker, flute; Robert Bloom, oboe; Bernard Greenhouse, cello; Osear Shumsky, violin; and Paul Ulanowsky, piano. It is a combination without parallel of virtuosi who have come together to present the most tuneful music that Bach ever wrote. Performances by this unique ensemble have taken them through the United States, Canada, South America and Europe.

The program will consist of cantatas and arias using translations and notes prepared by William H. Scheide, Director. Bach's main work, in quantity and quality, is the music, mainly cantatas, which he wrote for the services of the Lutheran churches of



Leipzig. Though never published, the numbers by which the church cantatas are most readily identified merely show their position in the complete edition of his works which appeared over one hundred years after his death. The translations have no other object than to set forth as baldly as possible the meaning of the German text.

The program is as follows:

#### I

1. Final Chorale from Cantata 8
2. Aria from Cantata 201 for bass, flute, oboe, violin and continuo
3. Aria from Cantata 166 for tenor, oboe and continuo
4. Aria from Cantata 249a for soprano, flute and continuo
5. Aria from Cantata 140 for soprano, bass, oboe and continuo

#### II

1. Aria from Cantata 102 for alto, oboe and continuo
2. Aria from Cantata 101 for tenor, flute and continuo
3. Aria from Cantata 120 for soprano, violin and continuo
4. Opening of Cantata 138 for the entire group

#### III

1. Aria (duet) with chorale from Cantata 101 for soprano, alto, flute, viola and continuo
2. Aria from Cantata 76 for tenor and continuo
3. Aria from Cantata 158 for bass, flute, soprano chorale and continuo
4. Aria from Cantata 27 for alto, viola and piano

#### IV

1. Aria from Cantata 41 for tenor, cello and continuo
2. Aria from Cantata 42 for bass, violin and piano
3. Aria from Cantata 187 for soprano, oboe and continuo
4. Aria from Cantata 35 for alto, cello and piano
5. Opening of Cantata 109 for the entire group

Remaining tickets are priced at \$2.50 and \$2.00 and are available in Room 202-A Flowers Building or write to Box KM, Duke Station, or call Extension 2911.

### ADVANCE NOTICE

#### LECTURE ON ECUMENICAL COUNCIL OF THE ROMAN CATHOLIC CHURCH

Dr. Robert Cushman, Dean of the Divinity School, will present a lecture at the Methodist Student Center on Sunday, February 2nd beginning at 7:00 p.m. The lecture will be on the Ecumenical Council of the Roman Catholic Church, at which Dean Cushman was an observer and will be followed by a discussion. It will be sponsored by the Campus Christian Centers at Duke. The University Community is invited to attend.

### LIBRARY SCHEDULE

#### Between Semester Period—1964

##### General Library

Friday, January 24	8:00 a.m.-5:00 p.m.
Saturday, January 25	8:00 a.m.-1:00 p.m.
Sunday, January 26	Closed
Monday, January 27 through	
Wednesday, January 29	8:00 a.m.-5:00 p.m.
Thursday, January 30	Resume regular schedule

##### Woman's College Library

Friday, January 24	8:00 a.m.-5:00 p.m.
Saturday, January 25	9:00 a.m.-1:00 p.m.
Sunday, January 26	Closed
Monday, January 27 through	
Wednesday, January 29	9:00 a.m.-5:00 p.m.
Thursday, January 30	Resume regular schedule

Schedules for other campus libraries will be posted.

### CHAPEL PULPIT SCHEDULE—SPRING, 1964

February 2—	Dr. Thomas A. Langford Assistant Professor of Religion
9—Communion	Professor James T. Cleland Dean of the Chapel, Preacher
16—World Day of Prayer	Dean Cleland
23—	Dr. Hugh Anderson Professor of Biblical Theology
March 1—	Dean Cleland
8—	Dr. Howard C. Wilkinson Chaplain to the University
15—	Dr. Stuart C. Henry, Associate Professor American Christianity
22—Palm Sunday	Dr. George MacLeod, Founder and Director Iona Community, Scotland
29—Easter Sunday (Recess)	
April 5—(Spring Recess)	
12—	Dr. Samuel Proctor President, A. & T. College
19—Parents Week-end	Dr. Robert E. Cushman Dean, The Divinity School
26—	Dr. Colin W. Williams National Council of Churches
May 3—	Dr. Anderson
10—	Dr. Eric Rust Professor of Christian Philosophy Southern Baptist Theological Seminary
17—	Chaplain Wilkinson
24—	Dr. W. Arthur Kale Professor of Christian Education
31—Commencement Sermon	

### CORRECTION FOR CALLING DUKE POISON CONTROL CENTER

The telephone extension number listed in the 1964 University Directory for the Duke Poison Control Center is **not** to be used. There is no one inside the Center to answer this phone unless a case is being treated. Please cross through this number, 3957, and write "operator 14" as the correct number for the Poison Control Center. Indicate to the operator that your call is a poison control call, and she will immediately connect you with the physician taking call for the Poison Control Center.

### ADVANCE NOTICE GUEST ORGAN RECITAL

Robert Burns King, guest organist, will present the next organ recital in Duke University Chapel on Sunday, February 2nd at 4:00 p.m. Mr. King, at present organist at the First Presbyterian Church in Burlington, has just returned from studying two years in Paris with Langlais and is a graduate of the School of Sacred Music, Union Theological Seminary, New York City.

WEEK OF

Jan. 26-Feb. 1, 1964

WEEK OF

Jan. 26-Feb. 1, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, January 26

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "The Conversion of the Elder Brother." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, January 27

9:00 a.m. Final examination of Mr. Frank Thomas Wooten, III for the Ph.D. degree in Electrical Engineering. Room 132 Engineering Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, January 28

12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.

5:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

### Wednesday, January 29

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

There will be no film showing of Quadrangle Pictures.

### Thursday, January 30

8:00 a.m. Spring Semester Classes Begin.

10:10 a.m. Divinity School Chapel. York Chapel. Dean Robert E. Cushman.

4:00 p.m. Department of Physiology and Pharmacology Seminar. Speaker: Dr. Robert F. Furchgott. Room M-204 Davison Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:00 p.m. Faculty Volleyball. Indoor Stadium.

7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Friday, January 31

10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Dr. Harmon L. Smith, Celebrant.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

## Saturday, February 1

- 2:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 6:15 p.m. Freshman Basketball: Duke versus V.P.I. Indoor Stadium.
- 7:30 p.m. (Only 1 showing). Quadrangle Pictures. Page Auditorium. "Hamlet," starring Laurence Olivier, Jean Simmons, Eileen Herlie, and Basil Sidney. Academy Award Winner . . . "Best Picture of the Year." Olivier, "Best Performance By an Actor."
- 8:15 p.m. Varsity Basketball: Duke versus Navy. Indoor Stadium.
- 8:15 p.m. Music Department Duo Recital. Julia Mueller, violist and Ruth Friedberg, pianist. Music Room, East Duke Building.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (REV. JAMES W. STINES, CHAPLAIN): **Friday, 6:15 P.M.**, Supper, followed by Worship and a Seminar—"The Role of the Church in the College Community," led by the Reverends Warren Carr, Julius Corpening, Dennis Hockaday and Ray Hodge.

On **Sunday, February 2** at 1:45 P.M., rides will leave from the circles for Murdoch School at Butner. New teachers for this program are urgently needed for more individual attention to the retarded persons involved. No one will be required to lead a group during his first session. Call the Baptist Center for further information (286-6097).

**CHRISTIAN SCIENCE ORGANIZATION: Tuesday, 6:45 P.M.**, East Duke Chapel. All are welcome.

**METHODIST CENTER** (REV. JACK W. CARROLL, CHAPLAIN; REV. CRANFORD JOHNSON, ASSISTANT CHAPLAIN): There will be no service of Evening Prayer today. Services will be resumed next Sunday.

The first session of the weekly seminar discussing the book **Honest to God**, by Dr. J. A. T. Robinson, will be held at the Methodist Center at 9:00 A.M., Sunday, February 2. A snack breakfast will precede the discussion. All interested persons are invited to participate.

Wesley Players will hold tryouts for a staged reading of **The Cocktail Party** by T. S. Eliot on **Monday, February 3**, at 7:00 P.M., at the Methodist Center. The reading will be presented on February 16. All interested persons are urged to be present for the tryouts.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (REV. JOHN J. CAREY, CHAPLAIN): **Sunday, (Jan. 26), 5:30 P.M.**, Congregational Christian Church in Durham, Informal supper meeting. Transportation will leave the Chapel steps, East Campus circle and Hanes House at 5:15 P.M.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, January 26th in the University Chapel.

Presiding Minister: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University  
Lector: Dr. J. Harris Proctor, Jr., Chairman, Duke University Religious Council

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, February 2nd, is the Reverend Dr. Thomas A. Langford, Assistant Professor of Religion.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Frank Thomas Wooten, III for the Ph.D. degree in Electrical Engineering will be held on Monday, January 27th at 9:00 a.m. in Room 132 Engineering Building. The subject of Mr. Wooten's dissertation is: "A Study of Stress in Ferromagnetic Thin Films." The committee to conduct the examination consists of Professors John L. Artley, Charles R. Vail, Thomas G. Wilson, and Harold W. Lewis. Professor Artley will preside.

### DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar in Room M-204, Davison Building on Thursday, January 30th at 4:00 p.m. Dr. Robert F. Furchgott, Department of Pharmacology, State University of New York, College of Medicine will speak on "The Pharmacology of Catecholamines."

### MUSIC DEPARTMENT DUO RECITAL

The Department of Music will present a program in its faculty series on Saturday, February 1st, when Julia Mueller, violist, and Ruth Friedberg, pianist, will give a duo recital at 8:15 p.m. in the Music Room, East Duke Building. The University Community and the general public are cordially invited to attend. The program will be as follows:

- Sonata in G Major J. S. Bach  
Adagio  
Allegro  
Andante  
Allegro
- Sonata, Opus 9 Iain Hamilton  
Lento potente—Allegro feroce  
Adagio  
Allegro—Alla marcia funebre
- Lachrymae, Opus 48 Benjamin Britten  
(Reflections on a song of Dowland)
- Sonata, Opus 120, No. 2 Brahms  
Allegro amabile  
Appassionato, ma non troppo Allegro  
Andante con moto—Allegro non troppo

### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet

planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911 (Gerold L. Brown).

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC-Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

### ADVANCE NOTICE GUEST ORGAN RECITAL

Robert Burns King, guest organist, will present the next organ recital in Duke University Chapel on Sunday, February 2nd at 4:00 p.m. Mr. King, at present organist at the First Presbyterian Church in Burlington, has just returned from studying two years in Paris with Langlais and is a graduate of the School of Sacred Music, Union Theological Seminary, New York City.

The program follows:

Suite du Premier Ton ( <i>Livre d'Orgue</i> )	<i>Pierre du Mage</i>
Plein Jeu	(1676-1751)
Fugue	
Tierce en Taille	
Grand Jeu	
Prelude and Fugue in C Major (9/8)	<i>Johann Sebastian Bach</i>
	(1685-1750)
Scherzo (Second Symphony)	<i>Louis Vierne</i>
	(1870-1937)
Fantasy in A	<i>César Franck</i>
	(1822-1890)
Pasticcio	<i>Jean Langlais</i>
Song of Peace	(1907- )
Carol Prelude on "Greensleeves"	<i>Searle Wright</i>
	(1918- )
<i>La Nativité du Seigneur</i>	<i>Olivier Messiaen</i>
Dieu parmi Nous	(1908- )

### ADVANCE NOTICE LECTURE ON ECUMENICAL COUNCIL OF THE ROMAN CATHOLIC CHURCH

Dr. Robert Cushman, Dean of the Divinity School, will present a lecture at the Methodist Student Center on Sunday, February 2nd beginning at 7:00 p.m. The lecture will be on the Ecumenical Council of the Roman Catholic Church, at which Dean Cushman was an observer and will be followed by a discussion. It will be sponsored by the Campus Christian Centers at Duke. The University Community is invited to attend.

### ADVANCE NOTICE SIGMA XI LECTURE

Dr. David M. Gates will give a Sigma Xi lecture entitled "Energy Exchange in the Biosphere" in the auditorium of the Biological Sciences Building on Monday, February 3rd at 8:00 p.m. Dr. Gates is consultant to the Director, National Bureau Standards Laboratories, Boulder, Colorado and lecturer in ecology at the University of Colorado. His lecture

will present a physical and quantitative approach to ecological and physiological response of plants and animals in their environment.

### ADVANCE NOTICE ERASMUS CLUB MEETING

The Erasmus Club will meet on Monday, February 3rd in the Green Room, East Duke Building at 8:00 p.m. Professor Bernard Duffey of the English Department will speak on "Poems in Time: A Chapter in the History of American Poetry." Everyone is cordially invited.

### ADVANCE NOTICE BACH ARIA GROUP

The Bach Aria Group will perform on Tuesday, February 4th at 8:15 p.m. in Page Auditorium under the auspices of the Artists Series. The only performing organization of its kind, possessing an unusual feature in that it places instrumental and vocal soloists on equal footing, the Bach Aria Group consists of famed singers Eileen Farrell, soprano; Carol Smith, alto; Jan Peerce, tenor; and Norman Farrow, bass-baritone—and equally distinguished instrumentalists Julius Baker, flute; Robert Bloom, oboe; Bernard Greenhouse, cello; Oscar Shumsky, violin; and Paul Ulanowsky, piano. It is a combination without parallel of virtuosos who have come together to present the most tuneful music that Bach ever wrote. Performances by this unique ensemble have taken them through the United States, Canada, South America and Europe.

The program will consist of cantatas and arias using translations and notes prepared by William H. Scheide, Director. Bach's main work, in quantity and quality, is the music, mainly cantatas, which he wrote for the services of the Lutheran churches of Leipzig. Though never published, the numbers by which the church cantatas are most readily identified merely show their position in the complete edition of his works which appeared over one hundred years after his death. The translations have no other object than to set forth as baldly as possible the meaning of the German text.

The usual Student Union sponsored Pre-Artists Series Seminar will be held in Room 208 Flowers Building at 7:00 p.m. and will be under the direction of Mrs. Ruth Friedberg of the Department of Music.

Remaining tickets are priced at \$2.00 and are available in Room 202-A Flowers Building or write to Box KM, Duke Station, or call Extension 2911.

### ADVANCE NOTICE STUDY GROUP ON PROBLEMS OF WORLD ORDER

An informal study group on disarmament and the development of world order will meet at the World Rule of Law Center during the spring semester. The study group, led by Daniel G. Partan, Research Associate at the Center, will discuss defense policy, the regulation of the threat or use of force in international relations, the effectiveness of present peace-keeping machinery, and arms control and disarma-



ment proposals. There will be twelve meetings on Monday evenings, 8:00-9:30 p.m., beginning February 3rd, at the World Rule of Law Center, Room 201, Law School. The group will use mimeographed materials and selections from **Legal and Political Problems of World Order**, compiled and edited by Professor Saul H. Mendlovitz of Rutgers University Law School, and from **World Peace Through World Law**, a comprehensive plan for revision of the Charter of the United Nations developed by Grenville Clark and Louis B. Sohn. Both books and other assigned readings will be available to study group participants at a special combined price of five dollars. Interested persons are urged to contact Mr. Partan at the World Rule of Law Center, extension 3518. The study group will be limited to fifteen persons.

### INCOME TAX ASSISTANCE

Representatives from the North Carolina Department of Revenue will be in Room 204, Flowers Building on Wednesday, February 12th and in the Baker House Reception Room on Thursday, February 13th to assist employees with State income tax returns. University representatives will assist in the preparation of Federal income tax returns. Anyone desiring assistance with Federal or State tax returns should consult the representatives at this time.

Wednesday, February 12th—Room 204 Flowers Building  
Thursday, February 13th—Baker House Reception Room  
Hours: 9:00 a.m.-4:30 p.m. both days.

If you would like either a State or Federal tax return form prior to these dates, copies will be available in the Personnel Office, Allen Building.

### DELEGATE HOUSING NEEDED FOR U. N. MODEL ASSEMBLY

The Middle South United Nations Model General Assembly, which parallels the organization and functioning of the U. N. itself, will be held on the Duke Campus February 12th-15th. Delegates representing various U. N. member nations are expected to number nearly 400 from at least 50 colleges and universities.

All faculty and staff members have been contacted and asked to assist in housing the delegates for the three-day assembly. The Secretariat would like to request University Community members who would be able to house one or more delegates to please return the card sent them by the Housing Committee or call extension 2909.

### RE-REGISTRATION OF AUTOMOBILES

Vehicle registration emblems for faculty, staff, and employees expire February 29, 1964. Some faculty, staff, and employees have registered their vehicles and received a registration emblem with an expiration date of February 28, 1967. All Duke University faculty, staff, and employees whose current vehicle registration emblems bear an expiration date of February 29, 1964 must re-register the vehicle and display the new registration emblem on the rear bumper of the vehicle by March 1, 1964.

Registration places are:

1. Hospital and Medical School personnel, including all faculty, staff, and employees, register at the office of the Personnel Director, Room 1160 Duke University Medical Center.
2. All other faculty, staff, and employees register at the Traffic Office, 05 Allen Building.

### CHAPEL CHOIR NOTICES

The Chapel Choir will consist of all women's voices for the Service on Sunday, January 26th.

The Chapel Choir will **not** have a rehearsal on Wednesday, January 29th. Instead, it has been scheduled for Saturday, February 1st at 2:00 p.m.

### LIBRARY SCHEDULE

Between Semester Period—1964

#### General Library

Sunday, January 26	Closed
Monday, January 27 through	
Wednesday, January 29	8:00 a.m.-5:00 p.m.
Thursday, January 30	Resume regular schedule

#### Woman's College Library

Sunday, January 26	Closed
Monday, January 27 through	
Wednesday, January 29	9:00 a.m.-5:00 p.m.
Thursday, January 30	Resume regular schedule

Schedules for other campus libraries will be posted.

### CORRECTION FOR CALLING DUKE POISON CONTROL CENTER

The telephone extension number listed in the 1964 University Directory for the Duke Poison Control Center is **not** to be used. There is no one inside the Center to answer this phone unless a case is being treated. Please cross through this number, 3957, and write "operator 14" as the correct number for the Poison Control Center. Indicate to the operator that your call is a poison control call, and she will immediately connect you with the physician taking call for the Poison Control Center.

### ART EXHIBITIONS

The Department of Art and the Student Union Fine Arts Committee announce two new exhibits for the East and West Gallery areas which may be seen during January between the hours of 8:00 a.m. and 10:00 p.m.

A collection of early book art, a traveling exhibition on loan from the North Carolina Museum of Art in Raleigh, is currently on display in the East Gallery of the Woman's College Library.

A one man show of photographs by Leonard Kamsler, '57, formerly of Raleigh and now a free lance feature photographer in New York may be seen in the gallery area of West Union Building. Mr. Kamsler has specialized in the area of photography in sports and commercial and educational enterprises.

WEEK OF  
Feb. 2-8, 1964

# CALENDAR

WEEK OF  
Feb. 2-8, 1964

## OF DUKE UNIVERSITY



### Events of the Week

#### Sunday, February 2

Denominational Meetings. See special notice.

10:30-10:45 a.m. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. Thomas A. Langford, Assistant Professor of Religion. Sermon: "Time Magazine . . . Morality and Mores." Broadcast over Radio Station WDNC and WDNC-FM.

2:00-5:00 p.m. Student Union Chess Club. 204 Flowers Building.

4:00 p.m. Guest Organ Recital: Robert Burns King. University Chapel.

7:00 p.m. Divinity School Lecture. Methodist Student Center. Speaker: Dean Robert E. Cushman.

#### Monday, February 3

2:00 p.m. Final examination of Mr. John M. Chamberlin for the Ph.D. degree in History. Room 303 Chemistry Building.

4:00 p.m. Chemistry Staff Seminar. Room 01 Chemistry Building. Speaker: Dr. Fred G. Willey.

4:15 p.m. Zoology Department Seminar. Auditorium of the Biological Sciences Building. Speaker: Professor Bernard S. Martof.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30-6:30 p.m. Faculty Volleyball. Indoor Stadium.

7:00 p.m. Hoof 'n' Horn Meeting. Page Auditorium.

8:00 p.m. Erasmus Club Meeting. Green Room, East Duke Building. Speaker: Professor Bernard Duffey.

8:00 p.m. Sigma Xi Lecture. Auditorium, Biological Sciences Building. Speaker: Dr. David M. Gates.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

#### Tuesday, February 4

10:10 a.m. Divinity School Chapel. York Chapel. Dr. Hugh Anderson.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00 p.m. Gerontology Seminar. Room 208 Flowers Building. Speaker: Dr. Morris Rockstein.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:00 p.m. Student Union Pre-Artists Series Seminar: Mrs. Ruth Friedberg. Room 208 Flowers Building.

7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



8:15 p.m. Duke University Artists Series: Bach Aria Group. Page Auditorium.

## Wednesday, February 5

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Hugh Anderson.
- 11:00 a.m. Divinity School Lecture. York Chapel. Speaker: Professor Robert E. Cushman.
- 12:30 p.m. Faculty Club Luncheon Meeting. Union Ballroom. Speaker: Dean M. Margaret Ball.
- 2:15 p.m. Joint Duke-U.N.C. Physics Colloquium. Room 114 Physics Building. Speaker: Dr. George R. Kalbfleisch.
- 4:15 p.m. Botany Department Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Walter R. Guild.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 4:30 p.m. Joint Duke-U.N.C. Psychology Symposium. Room 130 Building 9 (Old Biology Building.) Speaker: Dr. Michael Wallach.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 101 Asbury Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-9:00 p.m. Badminton-Open House. Woman's College Gymnasium. Open to all faculty, staff, and students.
- 7:30 p.m. (Only 1 showing). Quadrangle Pictures. Page Auditorium. "Hamlet," starring Laurence Olivier, Jean Simmons, Eileen Herlie, and Basil Sidney. Academy Award Winner . . . "Best Picture of the Year." Olivier, "Best Performance by an Actor."

## Thursday, February 6

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. David L. Hilton.
- 2:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison. Speaker: Dr. John W. Everett.
- 3:00-5:00 p.m. } Duke Players Tryouts for Albee  
7:00-9:00 p.m. } Plays. Page Auditorium.
- 4:00 p.m. University Faculty Meeting. Room 125 Engineering Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:00 p.m. International Club Meeting. Room A, Men's Graduate Center. Speaker: Dr. Peter Klopfer.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, February 7

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Hugh Anderson, Mr. S. S. Smith, and Mr. J. Aldridge.
- 4:00 p.m. Economics Seminar. Room 130 Sociology-Psychology Building. Speaker: Professor F. A. Hanna.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

## Saturday, February 8

- 8:00 a.m. The final examination of Mr. Magdi Mohamed El-Kammash for the Ph.D. degree in Economics. Library Conference Room.
- 2:00-5:00 p.m. Student Union National Intercollegiate Bridge Tournament. Green Room, East Duke Building. (Open to all students.)
- 7:30 p.m. (Only 1 showing). Quadrangle Pictures. Page Auditorium. "Hamlet," starring Laurence Olivier, Jean Simmons, Eileen Herlie, and Basil Sidney. Academy Award Winner . . . "Best Picture of the Year." Olivier, "Best Performance by an Actor."
- 8:15 p.m. Chamber Arts Society: Quartetto Italiano. Music Room, East Duke Building.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): Sunday, 1:45 P.M., Rides leave from the circles for Murdoch School at Butner. New teachers for this program are urgently needed for more individual attention to the retarded persons involved. No one will be required to lead a group during his first session. Call the Baptist Center for further information (286-6097).

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): Sunday, 9:30 A.M., Holy Communion. Monday (Feast of the Purification): 7:10 A.M. and 5:30 P.M., Holy Communion. Wednesday, 7:10 A.M. and 5:30 P.M., Holy Communion. Friday, 4:00 P.M., Seminar on "Christianity and Modern Man."

The Episcopal Center Lectures for 1964 will focus on "Christian Humanism: A Plea for Humanity." The Lecturer will be the Reverend Samuel J. Wylie, Rector of the Church of the Advent, Boston, Mass. The lectures will be given on February 17, 19 and 20. Detailed announcements will be made in Campus publications during the next two weeks. The University community is invited.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): Sunday, 6:00 P.M., Grace Lutheran Church, 824 Buchanan Boulevard, Supper meeting followed by an hour of fellowship.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Cranford Johnson, Assistant Chaplain): **Sunday**, 9:00 A.M., Seminar—**Honest to God**; 6:00 P.M., Evening Prayer—Covenant Service. **Monday**, 7:00 P.M., Try-outs for the Wesley Player's reading of **The Cocktail Party**.

Dr. M. O. Williams, Personnel Secretary of the Methodist Board of Missions, will be at the Methodist Center on Monday, February 17, to talk with anyone interested in the mission program of the Methodist Church. Call the Methodist Center, 286-9230, for an appointment.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday**, The Westminster Fellowship will join the group at the Methodist Center at 7:00 P.M., to hear Dean Cushman's lecture on the Ecumenical Council.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, 5:30 P.M., at the home of Mr. and Mrs. N. W. Langston, 1619 Delaware Ave. After supper and a short business meeting, the group will go to the Methodist Center to hear Dean Cushman's lecture on the Ecumenical Council. Transportation will leave the Chapel steps, East Campus circle and Hanes House at 5:15 P.M.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Thomas A. Langford, Assistant Professor of Religion, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, February 2nd in the University Chapel. The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University

Lector: Dean Mary Grace Wilson, Dean of Women, Woman's College

Opening Organ Voluntary—Prelude in F minor *Bach*  
Chorale Prelude *Bach*

"I Call to Thee, Lord Jesus Christ"  
Choral Call to Worship—"The Lord Is In His Holy Temple"  
*Calvin W. Laufer*

Hymn of Adoration—"Immortal, Invisible, God Only Wise"  
*Welsh Melody*  
*Arr. by Van Denman Thompson*

Prayers of Confession and for Pardon  
Words of Assurance  
The Lord's Prayer

Anthem—"Sing Unto the Lord" *Henry Purcell*

Scripture Lesson—Romans 13:8-14

Hymn—"I Want A Principle Within" *Louis Spohr*

Call to Prayer

Prayer of Thanksgiving

Prayers of Intercession and Petition

The Offering

Offertory Organ Interlude *Alessandro Scarlatti*

Anthem—"Exultate Deo"

Response—The Doxology

Prayer of Dedication

Sermon—"Time Magazine . . . Morality and Mores"

Prayer

Benediction

Choral Response—"Sevenfold Amen" *Stainer*

The Chimes

Closing Organ Voluntary—Fugue in F minor *Bach*

The sacrament of Holy Communion is to be celebrated during the University Service of Worship next Sunday, February 9th. The Celebrant is the Reverend Dr. Howard C. Wilkinson, Chaplain to the University

and Director of Religious Activities. The Preacher is the Reverend Dr. James T. Cleland, Deau of the Chapel and James B. Duke Professor of Preaching in the Divinity School.

### GUEST ORGAN RECITAL

Robert Burns King, guest organist, will present the next organ recital in Duke University Chapel on Sunday, February 2nd at 4:00 p.m. Mr. King, at present organist at the First Presbyterian Church in Burlington, has just returned from studying two years in Paris with Langlais and is a graduate of the School of Sacred Music, Union Theological Seminary, New York City.

The program follows:

Suite du Premier Ton ( <i>Livre d'Orgue</i> )	<i>Pierre du Mage</i>
Plein Jeu	(1676-1751)
Fugue	
Tierce en Taille	
Grand Jeu	
Prelude and Fugue in C Major (9/8)	<i>Johann Sebastian Bach</i>
	(1685-1750)
Scherzo (Second Symphony)	<i>Louis Vierne</i>
	(1870-1937)
Fantasy in A	<i>César Franck</i>
	(1822-1890)
Pasticcio	<i>Jean Langlais</i>
Song of Peace	(1907- )
Carol Prelude on "Greensleeves"	<i>Searle Wright</i>
	(1918- )
<i>La Nativité du Seigneur</i>	<i>Olivier Messiaen</i>
Dieu parmi Nous	(1908- )

### LECTURE ON ECUMENICAL COUNCIL OF THE ROMAN CATHOLIC CHURCH

Dr. Robert Cushman, Dean of the Divinity School, will present a lecture at the Methodist Student Center on Sunday, February 2nd beginning at 7:00 p.m. The lecture will be on the Ecumenical Council of the Roman Catholic Church, at which Dean Cushman was an observer and will be followed by a discussion. It will be sponsored by the Campus Christian Centers at Duke. The University Community is invited to attend.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. John M. Chamberlin for the Ph.D. degree in Chemistry will be held on Monday, February 3rd at 2:00 p.m. in Room 303 Chemistry Building. The subject of Mr. Chamberlin's dissertation is: "Potentiometric and Polarographic Studies in Molten Salt Solvents." The committee to conduct the examination consists of Professors Douglas G. Hill, John H. Saylor, Frances Brown, H. A. Strobel, and Henry W. Newsou. Professor Hill will preside.

### CHEMISTRY STAFF SEMINAR

Dr. Fred G. Willey, National Science Foundation Postdoctoral Fellow, Heidelberg University, 1963, will speak at the Chemistry Staff Seminar on Monday, February 3rd at 4:00 p.m. in the Chemistry Building,



Room 01. The subject of Dr. Willey's address will be "Photochemistry of Transoid Dienes." All interested persons are cordially invited to attend.

#### ZOOLOGY DEPARTMENT SEMINAR

The Zoology Department will hold its weekly seminar on Monday, February 3rd, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Professor Bernard S. Martof, Department of Zoology, North Carolina State University, will speak on "A Behavioral Analysis of the Mating Call of the Chorus Frog, *Pseudacris Triseriata*." Coffee and tea will be served in the foyer at 4:00.

#### ERASMUS CLUB MEETING

The Erasmus Club will meet on Monday, February 3rd in the Green Room, East Duke Building at 8:00 p.m. Professor Bernard Duffey of the English Department will speak on "Poems in Time: A Chapter in the History of American Poetry." Everyone is cordially invited.

#### SIGMA XI LECTURE

Dr. David M. Gates will give a Sigma Xi lecture entitled, "Energy Exchange in the Biosphere" in the auditorium of the Biological Sciences Building on Monday, February 3rd at 8:00 p.m. Dr. Gates is consultant to the Director, National Bureau of Standards Laboratories, Boulder, Colorado and lecturer in ecology at the University of Colorado. His lecture will consider exchanges of energy through radiation, convection and latent heat transfer. Understanding these physical processes can give the biologist new tools in evaluating the physiological and ecological response of plants and animals in their environment. The University Community is cordially invited to attend.

#### GERONTOLOGY SEMINAR

The Duke University Council on Gerontology will hold a seminar on Tuesday, February 4th at 5:00 p.m. in Room 208 Flowers Building. Morris Rockstein, Ph.D., Professor of Physiology, University of Miami School of Medicine will speak on the topic, "Aging of Motor Ability." Interested members of the University Community are cordially invited to attend.

#### BACH ARIA GROUP

The Bach Aria Group will perform on Tuesday, February 4th at 8:15 p.m. in Page Auditorium under the auspices of the Artists Series. The only performing organization of its kind, possessing an unusual feature in that it places instrumental and vocal soloists on equal footing, the Bach Aria Group consists of famed singers Eileen Farrell, soprano; Carol Smith, alto; Jan Peerce, tenor; and Norman Farrow, bass-baritone—and equally distinguished instrumentalists Julius Baker, flute; Robert Bloom, oboe; Bernard Greenhouse, cello; Oscar Shumsky, violin; and Paul

Ulanowsky, piano. It is a combination without parallel of virtuosos who have come together to present the most tuneful music that Bach ever wrote. Performances by this unique ensemble have taken them through the United States, Canada, South America and Europe.

The program will consist of cantatas and arias using translations and notes prepared by William H. Scheide, Director. Bach's main work, in quantity and quality, is the music, mainly cantatas, which he wrote for the services of the Lutheran churches of Leipzig. Though never published, the numbers by which the church cantatas are most readily identified merely show their position in the complete edition of his works which appeared over one hundred years after his death. The translations have no other object than to set forth as baldly as possible the meaning of the German text.

The usual Student Union sponsored Pre-Artists Series Seminar will be held in Room 208 Flowers Building at 7:00 p.m. and will be under the direction of Mrs. Ruth Friedberg of the Department of Music.

Remaining tickets are priced at \$2.00 and are available in Room 202-A Flowers Building or write to Box KM, Duke Station, or call Extension 2911.

#### DIVINITY SCHOOL LECTURE

Professor Robert E. Cushman, Dean of the Divinity School and official observer to the Second Vatican Ecumenical Council, will deliver a lecture in York Chapel on Wednesday, February 5th at 11:00 a.m. The title of Dean Cushman's remarks is "Reflections on Vatican II." The University Community and the public are cordially invited.

#### FACULTY CLUB LUNCHEON MEETING

The Faculty Club will meet at a luncheon meeting on Wednesday, February 5th, at 12:30 p.m. in the Union Ballroom. Dr. M. Margaret Ball, Dean of the Woman's College, will discuss the Woman's College and its future development.

#### JOINT DUKE-U.N.C. PHYSICS COLLOQUIUM

The Joint Duke-U.N.C. Physics Colloquium will meet Wednesday, February 5th, at 2:15 p.m. in Room 114 Physics Building. Dr. George R. Kalbfleisch of the Lawrence Radiation Laboratory, Berkeley, California will speak. The topic will be "Interactions of Pions and K-Mesons with Protons Near 1. Bev."

Please note that the talk by Dr. R. Roberson originally scheduled for 4:30 p.m. has been postponed.

#### BOTANY DEPARTMENT SEMINAR

The Botany Seminar will be held on Wednesday, February 5th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. Walter R. Guild, Associate Professor of Biochemistry, will speak on "Replication and Transcription Properties of DNA in Vitro and in Vivo."

Dr. Guild earned his B.S. and M.A. degrees at the University of Texas and Ph.D. in biophysics at

Yale. Before coming to Duke in 1960 he served as a Radiation Safety Officer in the USAAF and on the faculty at Yale. His primary interests have included health physics, biological effects of radiation and bacterial transformation.

Refreshments will be served in the foyer at 4:00 p.m.

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### JOINT DUKE-UNIVERSITY OF NORTH CAROLINA SYMPOSIUM

Dr. Michael Wallach of the Psychology Department will speak on "Risk-taking and Personality" on Wednesday, February 5th at 4:30 p.m. in the Old Biology Building, Room 130. The public is cordially invited to attend.

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### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar, Thursday, February 6th at 2:30 p.m. (note time change) in Room M-204 Davison. Dr. John W. Everett, Department of Anatomy, will speak on the topic: "Evidence For A Diffuse Septal-hypothalamic System Controlling L. H. Release From the Pituitary."

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### UNIVERSITY FACULTY MEETING

The University Faculty will meet in regular session in Room 125, Engineering Building on Thursday, February 6th at 4:00 p.m. The agenda will include nomination of candidates for honorary degrees.

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### INTERNATIONAL CLUB MEETING

The Duke University International Club will hold a dinner and discussion meeting on Thursday, February 6th at 5:00 p.m. in the Men's Graduate Center Dining Hall, Room A. Those attending are requested to go through the regular cafeteria line and proceed to Room A.

The subject for discussion is "University and Social Order," and the speaker will be Dr. Peter Klopfer, Department of Zoology. All interested persons are welcome either before or after dinner. Dr. Klopfer's talk will start at 6:15 p.m.

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### ECONOMICS SEMINAR

The Economics Seminar will meet in Room 130 Sociology-Psychology Building at 4:00 p.m. on Friday, February 7th. Professor F. A. Hanna of the Department of Economics and Business Administration will discuss the topic: "How Many Cars are There?"

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### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Magdi Mohamed El-Kammash for the Ph.D. degree in Economics will be held on Saturday, February 8th at 8:00 a.m. in the

Library Conference Room. The subject of Mr. El-Kammash's dissertation is: "An Analysis of the Supply Approach to Economic Development of Underdeveloped Countries." The committee to conduct the examination consists of Professors F. A. Hanna, J. J. Spengler, C. B. Hoover, R. S. Smith, and T. M. Gallie. Professor Hanna will preside.

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### CHAMBER ARTS SOCIETY QUARTETTO ITALIANO

The Chamber Arts Society will present the fourth concert of its season, to be played by the **Quartetto Italiano** on Saturday, February 8th at 8:15 p.m. in the Music Room, East Duke Building. The concert is the sixth to be presented here by the Quartetto Italiano, the first being in December 1951 on the occasion of the group's first visit to America. The musicians are Paolo Borelani and Elisa Pegreffi (Violins), Piero Farulli (Viola) and Franco Rossi (Cello). The program follows:

Haydn.... Quartet in C major, Opus 33, No. 3 ("The Bird")  
Schumann..... Quartet in A minor, Opus 41, No. 1  
Debussy..... Quartet in G minor, Opus 10

Other Chamber Music Concerts scheduled this season include:

March 21 (Saturday)..... Fine Arts Quartet  
April 11 (Saturday)..... New York String Sextet  
Admission:

All membership cards for the current season are subscribed. A guest card for a single admission to any one concert costs \$2.50. About 60 guest cards are available for each concert; they may be obtained at the Music Room door from 7:30 to 8:00 p.m. on concert evenings. Inquiries may be addressed to Chamber Arts Society, c/o Ernest W. Nelson, Box 6065, College Station.

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### RE-REGISTRATION OF AUTOMOBILES

Vehicle registration emblems for faculty, staff, and employees expire February 29, 1964. Some faculty, staff, and employees have registered their vehicles and received a registration emblem with an expiration date of February 28, 1967. All Duke University faculty, staff, and employees whose current vehicle registration emblems bear an expiration date of February 29, 1964 must re-register the vehicle and display the new registration emblem on the rear bumper of the vehicle by March 1, 1964.

Registration places are:

1. Hospital and Medical School personnel, including all faculty, staff, and employees, register at the office of the Personnel Director, Room 1160 Duke University Medical Center.

2. All other faculty, staff, and employees register at the Traffic Office, 05 Allen Building.

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### ADVANCE NOTICE OF THE POLANYI LECTURES

The attention of the University community is drawn to a series of five major lectures by Professor



Michael Polanyi, who is in residence during the current semester as James B. Duke distinguished professor in the Department of Religion. Professor Polanyi is widely regarded as one of the most distinguished living philosophers of the western world. Trained in the field of medicine, he has been Professor of Physical Chemistry in England and subsequently has held distinguished posts at Princeton, University of Chicago, and at Stanford's Institute of Advanced Studies in the Behavioral Sciences.

Professor Polanyi's sequence of five lectures on the theme, "Man in Thought," begins on Monday, February 10th. Lectures are scheduled on successive Mondays through March 9th, in the Music Room of East Duke Building, at 7:30 p.m. On the Tuesday afternoons following each lecture, Professor Polanyi will lead a discussion period from 3:30 to 5:00 o'clock, in 208 Flowers Building.

### CORRECTION FOR CALLING DUKE POISON CONTROL CENTER

The telephone extension number listed in the 1964 University Directory for the Duke Poison Control Center is **not** to be used. There is no one inside the Center to answer this phone unless a case is being treated. **Please cross through this number, 3957, and write "operator 14" as the correct number for the Poison Control Center.** Indicate to the operator that your call is a poison control call, and she will immediately connect you with the physician taking call for the Poison Control Center.

### NORTH CAROLINA PRINT AND DRAWING SOCIETY

Of interest to the Duke University Community is the organization of the Print and Drawing Society of North Carolina. The Society will provide opportunities for viewing graphics and for encouraging in-

terests in drawings, etchings, woodcuts, engravings and other graphic media.

Four meetings will be held during the year (October through May) open only to members and their guests. These meetings will include the following activities:

1. "Portfolio showings" of graphics which may be purchased at a discount
  2. Discussions of art collecting and exchange of information and ideas related to graphics
  3. Lectures and demonstrations by artists and art historians
- Other benefits of membership:

1. Original graphics especially commissioned in limited editions for members
2. Exhibitions by Artist-members and collectors
3. Lending library of prints
4. Free literature on the history and techniques of print-making, listings of reputable dealers, and other useful information
5. Formal exhibitions, preceded by evening receptions, held at centrally located public galleries in the Durham-Raleigh-Chapel Hill area

Membership dues, \$10.00 annually, will defray the expenses of securing and staging exhibits, providing literature, announcements and previews. Student memberships are \$2.00.

Those interested in joining the Print and Drawing Society of North Carolina may write to the Print and Drawing Society of North Carolina, 1216 Woodburn Road, Durham, North Carolina 27705.

### SECOND SEMESTER DUKE ACTIVITIES CALENDAR

The Duke University Activities Calendar is being delivered to all members of the University Community, either by mail or personal delivery. Please watch the University Weekly Calendar for additions and deletions. For further information contact the Calendar Office, 202-A Flowers Building, Extension 2911.

**Cancelled:** Religion Lectures, February 7th and 8th.

Polanyi Feb 10 7:30 Mon  
11 3:30 Tu  
17 7:30 Mon  
18 3:30 Tu  
24  
25  
Mar 2  
3  
9  
10

WEEK OF

Feb. 9-15, 1964

WEEK OF

Feb. 9-15, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, February 9

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship, University Chapel, Holy Communion. The Reverend Dr. Howard C. Wilkinson, Celebrant. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Broadcast over Radio Station WDNC and WDNC-FM.

2:00-5:00 p.m. Student Union Chess Club. Room 204 Flowers Building.

### Monday, February 10

2:00-5:00 p.m. } Hoof 'n' Horn Tryouts: "Can  
7:00-10:00 p.m. } Can." Page Auditorium.

4:15 p.m. Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. William Dantzler.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30 p.m. Faculty Volleyball. Indoor Stadium.

7:30-10:30 p.m. Department of Religion Lecture: Professor Michael Polanyi. Music Room, East Duke Building.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, February 11

10:10 a.m. Divinity School Chapel. York Chapel. Dr. James T. Cleland.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball.

2:00-5:00 p.m. } Hoof 'n' Horn Tryouts: "Can  
7:00-10:00 p.m. } Can." Page Auditorium.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

3:30-5:00 p.m. Department of Religion: Seminar on Polanyi Lecture. Room 208 Flowers Building.

4:00 p.m. Student Union Graphic Art Seminar and Print Showing. Room 201 Flowers Building. Speaker: Mr. William Tomlinson, Roten Galleries.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.

### Wednesday, February 12

10:00 a.m.-12:00 noon. Campus Club Coffee. Union Ballroom.

10:10 a.m. Divinity School Chapel. York Chapel. Dr. James T. Cleland.

1:00 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Edward Stadelmann.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 4:30 p.m. Experiment in International Living Group Session. Room 201 Flowers Building. Speaker: Mr. Lars Colson.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-9:00 p.m. Badminton-Open House. Woman's College Gymnasium. Open to all faculty, staff, and students.
- 7:00-10:00 p.m. Student Union Duke Duplicate Bridge Club. Green Room, East Duke Building. (See special notice.)
- 7:00-11:00 p.m. U. N. Model General Assembly Registration. Flowers Lounge. (For Schedule, see special notice.)
- 7:10 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Winter Light," with Gunnar Bjornstrand, Ingrid Thulin, Gunnel Lindblom, and Max von Sydow. Produced and directed by Ingmar Bergman. "This is a film to see and ponder."—Crowther—*N. Y. Times*.
- 7:30 p.m. Duke Outing Club Meeting. Auditorium of Building 9.

## Thursday, February 13

- 9:00 a.m. The final examination of Mr. James Hamilton Ware for the Ph.D. degree in Religion. Library Conference Room.
- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. George H. Park.
- 12:30 p.m. Plant Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Mr. Richard Rhoades.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. Rubin Bressler.
- 4:00 p.m. Undergraduate Faculty Council Meeting. Room 208 Flowers Building.
- 4:30 p.m. Joint Sociology-Psychology Colloquium. Room 130 Building 9. Speaker: Professor O. J. Harvey.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, February 14

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Dr. James T. Cleland, Celebrant.

- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:15 p.m. Student Union-United Nations Model General Assembly Major Address: Ambassador Tran Van Chuong of Viet Nam. Page Auditorium.

## Saturday, February 15

- 6:00 p.m. Freshman Basketball: Duke vs. Davidson. Indoor Stadium.
- 7:10 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Winter Light," with Gunnar Bjornstrand, Ingrid Thulin, Gunnel Lindblom, and Max von Sydow. Produced and directed by Ingmar Bergman. "This is a film to see and ponder."—Crowther—*N. Y. Times*.
- 8:15 p.m. Duke String Quartet. Music Room, East Duke Building.
- 8:15 p.m. Varsity Basketball: Duke vs. Davidson. Indoor Stadium.
- 10:00 p.m.-12:00 midnight. Student Union Candlelight Cabaret following game. Card Gymnasium.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Friday, 6:15 P.M.**, Supper, followed by worship and seminars: "The Role of the Church in the College Community," led by Reverend Julius Corpening; and "Mere Christianity," led by Mr. Ronald Crossley.

Elections for the Baptist Student Union Executive Council will occur on March 6. Anyone wishing to nominate for the 1964-65 Council should submit names of nominees no later than February 28.

**CHRISTIAN SCIENCE ORGANIZATION: Tuesday, 6:45 P.M.**, East Duke Chapel, All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday, 9:30 A.M.**, Holy Communion. **Tuesday, 8-11 P.M.**, 1110 Arnette Avenue, Open House at the Chaplain's home. **Ash Wednesday, 7:10 A.M.** and **5:30 P.M.**, Penitential office and Holy Communion. **Friday, 7:10 A.M.**, Holy Communion; **4:00 P.M.**, Seminar on Orthodoxy.

**Christian Humanism: A Plea for Humanity**—The Episcopal Center Lectures for 1964—February 17, 19 and 20, at 8:15 P.M. Detailed announcements will be posted on Campus bulletin boards.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday, 6:30 P.M.**, Green Room, East Duke Building, program as planned.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Cranford Johnson, Assistant Chaplain): **Sunday, 9:00 A.M.**, Seminar on **Honest to God**, Guest leader, Dr. Thomas Langford; **6:00 P.M.**, Congregational Meal (discussion of the task of the Center and reports

on plans for the spring semester). **Wednesday, 6:00 P.M.**, Service of Penitence for Ash Wednesday; **7:30 P.M.**, Introductory session of "Faith and Life" seminar—All interested persons are invited to participate in this seminar which will use readings from a variety of sources as the basis for discussion of the relation of faith and life. It will meet weekly (time to be determined by the members) throughout the semester.

Dr. M. O. Williams, Personnel Secretary of the Methodist Board of Missions, will be at the Methodist Center on Monday, February 17, to talk with anyone interested in the mission program of the Methodist Church. Call the Methodist Center, 286-9230, for an appointment.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 5:30 P.M.**, Supper-Vespers-Evening Forum. **Friday, 7:30 P.M.**, Valentine Square Dance; Everyone welcome.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.**, at the home of President and Mrs. Douglas Knight on Campus Drive. Chaplain Jim Stines will speak on "The Duke Projects in Nicaragua." **Thursday, 12:40 P.M.**, Luncheon at Gilbert-Addams Dining Hall.

#### THE UNIVERSITY SERVICE OF WORSHIP

Holy Communion will be celebrated at the University Service of Worship on Sunday, February 9th at 11:00 a.m. in the University Chapel. The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, will be the celebrant, and the sermon will be delivered by the Reverend Professor James T. Cleland, Dean of the Chapel. Chancel Ministers will be The Reverend Dr. John J. Rudin, II, Associate Professor of Speech and Worship, The Divinity School; The Reverend A. Jack Wilson, III, Associate Director of Religious Life; The Reverend John J. Carey, Chaplain to United Church of Christ Students; The Reverend William R. Patton, Chaplain to Lutheran Students. Nave Ministers will be the members of the Divinity School Student Body.

The World Day of Prayer for Students will be observed at the University Service of Worship next Sunday, February 16. This will coincide with many similar services being held around the earth. The preacher who is scheduled to deliver the sermon is the Reverend Dr. James T. Cleland, Dean of the Chapel and James B. Duke Professor of Preaching, in the Divinity School. International students who expect to participate in the leadership of the service include Miss Asa Uoki, of Japan, and Mr. Daniel C. Arichea, Jr., of the Philippines.

#### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, February 10th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. William Dantzler, Department of Zoology, will speak on "Renal Function in Fresh-Water Turtles and Desert Tortoises." Coffee and tea will be served in the foyer at 4:00.

#### POLANYI LECTURES

The attention of the University community is drawn to a series of five major lectures by Professor Michael Polanyi, who is in residence during the current semester as James B. Duke distinguished professor in the Department of Religion. Professor Polanyi is widely regarded as one of the most distinguished living philosophers of the western world. Trained in the field of medicine, he has been Professor of Physical Chemistry in England and subsequently has held distinguished posts at Princeton, University of Chicago, and at Stanford's Institute of Advanced Studies in the Behavioral Sciences.

Professor Polanyi's sequence of five lectures on the theme, "Man in Thought," begins on Monday, February 10th. Lectures are scheduled on successive Mondays through March 9th, in the Music Room of East Duke Building, at 7:30 p.m. On the Tuesday afternoons following each lecture, Professor Polanyi will lead a discussion period from 3:30 to 5:00 o'clock, in 208 Flowers Building.

#### STUDENT UNION GRAPHIC ART SEMINAR AND PRINT SHOWING

The Student Union Fine Arts Committee will hold an open seminar on the graphic arts with Mr. William J. Tomlinson of the Ferdinand Roten Galleries, Inc., Baltimore, Maryland as guest speaker. The session will be held in Room 201 Flowers Building at 4:00 p.m. on Tuesday, February 11th. Mr. Tomlinson will have a large number of original prints for demonstration and sale; his visit is scheduled to coincide with the Roten Exhibition, "International Trends in Printmaking," now on view in both campus exhibition areas.

#### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, February 12th at 1:00 p.m. in the auditorium of the Biological Sciences Building, West Campus. Dr. Eduard Stadelmann, Private-Dozent, from the Botanical Institute of the University of Freiburg, Switzerland, will speak on "The Plasmometric Method for Determining Passive Permeability in Plant Cells."

A native of Switzerland, Dr. Stadelmann has spent a year in the Department of Botany at Ohio State and is currently visiting in Minnesota at the School of Chemistry, Institute of Technology, University of Minnesota. He has published extensively on measurements of permeability of plant cells by classical plasmometric methods.

#### CAMPUS CLUB COFFEE HONORS DEAN BALL

The Campus Club will honor Dean M. Margaret Ball, Dean of the Woman's College, at a coffee on Wednesday, February 12th from 10:00 a.m. to 12:00 noon in the Union Ballroom. Serving as hostesses for the coffee will be members associated with the departments of History, Political Science, and the East and West Food Services; Mrs. R. L. Watson, Jr. is chair-



man. A special display of "Activities and Accomplishments of Duke University Women" has been prepared by the program committee of which Mrs. Clarence Ghodes is Chairman.

### EXPERIMENT IN INTERNATIONAL LIVING

On Wednesday, February 12th, there will be on campus a representative of the Experiment in International Living, Mr. Lars Carlson. Mr. Carlson will be available for individual interviews from 1:30 p.m. until 4:30 p.m. at which time a group session has been scheduled. All interviews and the group meeting will be held in Room 201 Flowers Building.

The Experiment is a worldwide, non-profit, non-sectarian organization which places students as "family members" in foreign homes for the summer, thus offering an excellent opportunity for intensive language practice. Countries include Spain, France, Germany, Austria, Switzerland, Italy, Russia, and many others in Europe, Latin America, Africa, and the Near East.

This year scholarship aid is available for students. A special invitation is extended to faculty and graduate students interested in leadership opportunities as group leaders.

### UNITED NATIONS MODEL GENERAL ASSEMBLY

Three hundred and fifty delegates representing forty-five colleges and universities in ten states will gather here Wednesday, February 12th through Saturday, February 15th, for the sixth annual Middle South Regional United Nations Model General Assembly. These delegates, representing more than seventy of the one hundred and thirteen United Nations countries, will portray the roles of UN delegates in debates, discussions, caucuses and votes. This year a Model Security Council has also been added.

The Assembly, which met at Duke three years ago, uses Main Committees, sub-committees, caucuses, a conference committee, special addresses, special entertainment and General Assembly plenaries to portray as accurately as possible the work of the UN, and to encourage interest in the organization. Delegates come well-prepared in the history, culture and politics of the countries which they represent.

The planning for the Assembly, headed by Secretary-General, Craig W. Worthington, '65, has involved a Secretariat and committee structure of nearly one hundred University students and has taken more than eleven months. Housing for the delegates has been provided by members of the University Faculty and Staff, the religious student centers, and interested members of the Durham Community. The following sessions are open to the public:

Wednesday, February 12th  
Registration. 7:00-11:00 p.m. Lounge in Flowers Building.  
Model Security Council. 7:00-11:00 p.m. Room 208 Flowers Building.  
Thursday, February 13th  
Opening Plenary. 9:30-11:30 a.m. Woman's College Auditorium.  
Meetings of Main Committees. 2:00-10:00 p.m. (To be announced.)

Friday, February 14th

Plenary Session. 4:00-6:00 p.m. Page Auditorium.

Major Speaker. 8:15 p.m. Page Auditorium. Reception following in Flowers Lounge.

Saturday, February 15th

Plenary Session. 8:30-11:00 a.m. Page Auditorium.

Plenary Session. 11:30 a.m.-1:00 p.m.

Annual Business Session. 1:00 p.m.

Adjournment

### S. U. DUPLICATE BRIDGE CLUB SPRING SCHEDULE

The Student Union Duplicate Bridge Club announces its spring schedule and invites all interested members of the University Community to join the group at the various meetings in the Green Room of East Duke Building at 7:00 p.m. The dates are:

Wednesday, February 12th

Tuesday, February 18th

Wednesday, February 26th

Wednesday, March 11th

Wednesday, March 25th

Tuesday, April 7th

Wednesday, April 22nd

Wednesday, April 29th

Also scheduled is the Student Union National Intercollegiate Bridge Tournament (Duplicate) on Saturday, February 8th in the Green Room, East Duke Building from 2:00-5:00 p.m. and a Student Union All-Campus Duplicate Bridge Tournament on Saturday, April 18th in the Ark on East Campus from 2:00-5:00 p.m.

### DUKE OUTING CLUB MEETING

The Duke Outing Club will meet on Wednesday, February 12th at 7:30 p.m. in the Auditorium of the Sociology-Psychology Building to plan spring trips and activities. Students and faculty are invited to attend.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. James Hamilton Ware for the Ph.D. degree in Religion will be held on Thursday, February 13th at 9:00 a.m. in the Library Conference Room. The subject of Mr. Ware's dissertation is "The Modern Protestant Quest for the Essence of Christianity Focused in the Thought of William Adams Brown." The committee to conduct the examination consists of Professors Frederick Herzog, Hugh Anderson, Creighton Lacy, William Poteat, and John Hallowell. Professor Herzog will preside.

### PLANT ECOLOGY SEMINAR

Richard Rhoades, graduate student in Botany, will speak to the Plant Ecology Seminar on Thursday, February 13th at 12:30 p.m. in Room 144 of the Biological Sciences Building. The topic of his presentation will be the *nunatak* theory of M. L. Fernald — "The Persistence of Plants in Uglaciated Areas of Boreal America." All interested persons are cordially invited to attend.

## UNDERGRADUATE FACULTY COUNCIL MEETING

The Undergraduate Faculty Council will meet at 4:00 p.m. on Thursday, February 13th in Room 208 Flowers Building.

## PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, February 13th, at 4:00 p.m. in Room M-204 Davison Building. Dr. Rubin Bressler, Department of Medicine, will speak on "The Role of Carnitine in Fatty Acid Transport."

## JOINT SOCIOLOGY-PSYCHOLOGY COLLOQUIUM

The Departments of Sociology and Psychology will hold a joint colloquium in Building 9, Room 130, on Thursday, February 13th at 4:30 p.m. Professor O. J. Harvey, University of Colorado, will speak on the topic of "Theory and Experiments in Cognitive Systems."

## STUDENT UNION-U.N. MODEL GENERAL ASSEMBLY MAJOR ADDRESS: AMBASSADOR TRAN VAN CHUONG

On Friday, February 14th at 8:15 p.m. in Page Auditorium, the Student Union and the United Nations Model General Assembly will cosponsor the appearance of Ambassador Tran Van Chuong, former Ambassador to the United States from Viet Nam. Dr. Chuong was educated in France, receiving his doctorate from the Faculty of Law of the University of Paris. Since Viet Nam gained independence, he has held several important governmental positions, including the Ministries of State and Foreign Affairs and Ambassador to the United States. On August 22nd of last year, he resigned from the latter post, breaking with his government and his daughter, Madame Nhu, over the intense suppression of the Buddhist population in Viet Nam. The title of his address will be "What Next in Viet Nam?" The address is open to the public without charge.

## DUKE STRING QUARTET CONCERT

The Department of Music will present a concert by the Duke String Quartet on Saturday, February 15th at 8:15 p.m. in the Music Room, East Duke Building. The Quartet was organized in 1962 as a means of enriching the musical life of the University and its region and as an increase to the study opportunities for the musically talented. It is receiving financial assistance from the Mary Duke Biddle Foundation. Members of the Quartet include Joseph Pepper, violin; Julia Mueller, viola; Barbara Pepper 'cello—all members of the Department of Music—and Seymour Miroff, violin, guest performer from New York City. The campus community and the general public are cordially invited to attend. The program will be as follows:

Quartet in D Major, Opus 76, No. 5  
Allegretto  
Largo—Cantabile e mesto  
Menuetto—Allegro  
Finale—Presto

*Haydn*

Quartet No. 2, Opus 16  
Lebhaft und sehr energisch  
Sehr langsam  
Finale

*Paul Hindemith*

Intermission

Quartet in E Minor, Opus 44, No. 2  
Allegro assai appassionato  
Scherzo  
Andante  
Presto agitato

*F. Mendelssohn*

## ART EXHIBITIONS

Now on view in the East Gallery of the Woman's College Library and the Gallery in the West Union Building is the circulating exhibition, "International Trends in Printmaking" on loan from the Ferdinand Roten Galleries, Baltimore, Maryland. The emphasis of this exhibition is on outstanding original prints of the past fifteen years and the development and results of post-war advances in the special techniques of the graphic arts. Fine craftsmanship and unusual processes are well represented. In this area American artists have been especially significant and are included along with works of the traditional artist-printer teams of Europe. Nearly all items are signed and numbered; the majority are in color. Some of the artists included in this showing are: Appel, Baskin, Cuevas, Erni, Sam Francis, Friedlander, Matta, Soulages, Hamaguchi, and Citron.

All prints in the exhibit are purchasable and may be taken from the exhibition at the conclusion of the show on February 25th. Sales may be arranged for the East Campus Exhibit in the Art Department Office in Asbury Building, and for the West Gallery Exhibit in 202A Flowers Building.

## TRYOUTS FOR HOSPITAL MUSICAL PLAY

All medical center employees, staff, and students are eligible to participate in the production of an original musical comedy to be presented in the spring by the School of Medicine. Tryouts will be held on Monday, February 17th from 7:00 to 10:00 p.m. in the Hospital Amphitheatre and on Tuesday, February 18th from 7:00 to 10:00 p.m. in Page Auditorium.

## RE-REGISTRATION OF AUTOMOBILES

Vehicle registration emblems for faculty, staff, and employees expire February 29, 1964. Some faculty, staff, and employees have registered their vehicles and received a registration emblem with an expiration date of February 28, 1967. All Duke University faculty, staff, and employees whose current vehicle registration emblems bear an expiration date of February 29, 1964 must re-register the vehicle and display the new registration emblem on the rear bumper of the vehicle by March 1, 1964.

Registration places are:

1. Hospital and Medical School personnel, including all faculty, staff, and employees, register at the



office of the Personnel Director, Room 1160 Duke University Medical Center.

2. All other faculty, staff, and employees register at the Traffic Office, 05 Allen Building.

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### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

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### ORIGINAL PLAYS PRESENTED

Continuing the series of original play presentations by members of the Triangle Area universities will be the performance of a short play entitled "Beast" by Alan Goldsmith to be presented at the Triangle Coffee House, 1205 Duke University Road, at 9:30 p.m. on Sunday, February 9th, Wednesday, February 12th, and Sunday, February 16th. Doc Fields will direct the play, and appearing in the cast will be: Charles Faust, Laurel Dykstra, Lise Knox, Bob Batson and Dick King

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### ADVANCE NOTICE URC LECTURE

The Faculty Program Committee of the Duke University Religious Council is sponsoring an address by the Reverend Samuel J. Wylie on Tuesday, February 18th, in the Old Trinity Room. Beginning with luncheon at 12:40, the meeting will adjourn by 2:00 o'clock. Mr. Wylie will speak on "Christian Faith in Dialogue and Search: Signs of Renewal in Christian Heritage." He is presently an Episcopal rector in Boston, but has been Chaplain previously at the

University of Virginia, Columbia University and Brown University. He also has held a staff position in the College Division of the National Council of Churches. He is the author of two books, and he is a student of the lay movements in the European church. Only seventy persons may be served lunch in the Old Trinity Room. Reservations for the lunch, which will cost \$1.25, will be accepted until seventy have been listed. Faculty and staff members desiring to attend should telephone 2921 or 2909 to make reservations.

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### ADVANCE NOTICE ANNUAL MUSIC EDUCATOR'S CONFERENCE

The Department of Music announces its Third Annual Music Educator's Conference to be held Friday, February 21st through Saturday, February 22nd on the Duke Campus. The programs of this Conference recognize the contemporary composer as a vital force in expanding the scope of musical comprehensions and enriching the literature of the musical art. The Conference shares those concepts which have established February as American Music Month, and is dedicated to the Tenth Anniversary of "The Parade of American Music" of the National Federation of Music Clubs, inaugurated in 1955 by the American Society of Composers, Authors and Publishers.

Special events of the Conference will include lectures, concerts and clinics featuring Mr. Gunther Schuller, Composer and Guest Mary Duke Biddle Lecturer, and Mr. Iain Hamilton, Mary Duke Biddle Composer. Concerts will be given by The New York Woodwind Quartet, The New York Brass Quintet, and a small orchestra concert of forty-five musicians.

The Annual Music Educator's Conferences are made possible by the Mary Duke Biddle Foundation and there is no admission charge for any of the events. The public is cordially invited to attend.

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### ADVANCE NOTICE HILLEL BRUNCH

The Duke Hillel Society will meet at brunch on Sunday, February 16th, in Room 208 Flowers Building. Dr. John A. Freeman of the Parapsychology Laboratories will be the guest speaker.

WEEK OF  
Feb. 16-22, 1964

WEEK OF  
Feb. 16-22, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, February 16

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "Some Reflections on Prayer." Broadcast over Radio Station WDNC and WDNC-FM.
- 12:30 p.m. Hillel Brunch. Room 208 Flowers Building. Speaker: Dr. John A. Freeman.
- 2:00-5:00 p.m. Student Union Chess Club. Room 204 Flowers Building.

### Monday, February 17

- 4:15 p.m. Zoology Seminar. Auditorium of Biological Sciences Building. Speaker: Mr. Maximo J. Cerame-Vivas.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:00-10:00 p.m. Tryouts for Hospital Musical Production. Page Auditorium.
- 7:30 p.m. Department of Religion Lecture. Speaker: Professor Michael Polanyi. Music Room, East Duke Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, February 18

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. M. O. Williams.
- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball.
- 12:40 p.m. University Religious Council Luncheon. Old Trinity Room. Speaker: The Reverend Samuel J. Wylie.
- 3:30-5:00 p.m. Department of Religion Seminar on Polanyi Lecture. Room 208 Flowers Building.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:00 p.m. Mathematics Seminar. Room 120 Physics Building. Speaker: Mr. E. M. Horadam.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00-10:00 p.m. Tryouts for Hospital Musical Production. Hospital Amphitheatre.
- 7:00 p.m. Student Union Duplicate Bridge Club Meeting. Green Room, East Duke Building.
- 7:00 p.m. Duke Sailing Club Meeting. 101 West Duke Building. Speaker: John Sherwood.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:00 p.m. Duke International Club Panel Discussion. Room 111, Biological Sciences Building.
- 8:00 p.m. AAUP Meeting. Law School Court Room. Speaker: Professor W. Van Alstyne.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted  
**IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later  
than 1:00 p.m., Wednesday. Extension 2911.



## Wednesday, February 19

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. William B. Gould.
- 11:00 a.m. Divinity School Lecture. York Chapel. Speaker: Mr. Henry A. Lacy, Methodist Board of Missions.
- 1:30 p.m. The final examination of Mr. Billy Ray Skelton for the Ph.D. degree in Economics. Library Conference Room.
- 4:15 p.m. Botany Seminar. Auditorium Biological Sciences Building. Speaker: Dr. Ernest O. Beal.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Trinity College Historical Society Dinner Meeting. Men's Graduate Center. Speaker: Professor Tapan Kumar A. Raychaudhuri.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 6:00 p.m. Methodist Board of Missions Meeting. Men's Graduate Center.
- 7:00 p.m. Engineering Review Lecture. Room 125 Engineering Building. Speaker: Professor J. N. Macduff.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-9:00 p.m. Badminton Open House. Woman's College Gymnasium. Open to all faculty, staff, and students.
- 7:10 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Winter Light," with Gunnar Bjornstrand, Ingrid Thulin, Gunnel Lindblom, and Max von Sydow. Produced and directed by Ingmar Bergman. "This is a film to see and ponder."—Crowther—N. Y. Times.
- 8:15 p.m. Music Department Lecture. Alice M. Baldwin Auditorium. Speaker: Mr. Gunther Schuller.

## Thursday, February 20

- 10:00 a.m. Newcomers Club Coffee. Home of Mrs. Everett H. Hopkins. 2016 Campus Drive.
- 10:10 a.m. Divinity School Chapel. York Chapel. The Reverend William O. Bigham.
- 2:30 p.m. Physiology and Pharmacology Department Seminar. Room 204 Davison Building. Speaker: Dr. Robert E. Forster.
- 4:00 p.m. University Faculty Meeting. Room 125 Engineering Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30 p.m. Student Union Fine Arts Film Festival. Page Auditorium.
- 7:30 p.m. The Society of Friends (Quakers) Meeting. Friends Meeting House, Alexander Avenue.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.

- 8:00 p.m. Engineering Guest Speaker Program. Engineering Auditorium. Speaker: Mr. M. P. O'Brien.
- 8:00 p.m. Economics Lecture. Room 130 Sociology and Psychology Building. Speaker: Professor William P. Yohe.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, February 21

- 9:00 a.m.-5:00 p.m. Third Annual Music Educators Conference.
- 10:10 a.m. Divinity School Chapel. York Chapel. Dean Robert E. Cushman and The Reverend William O. Bigham.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 7:30 p.m. Bowling for faculty members and families at Sportland. Regular rates apply.
- 8:15 p.m. Music Department "An Evening with Iain Hamilton." New York Brass Quintet and New York Woodwind Quintet. Alice M. Baldwin Auditorium.

## Saturday, February 22

- 9:00 a.m.-5:00 p.m. Third Annual Music Educators Conference.
- 9:30 a.m. Concert by New York Brass Quintet and Clinic Sessions. Alice M. Baldwin Auditorium.
- 2:00 p.m. Varsity Basketball: Duke versus University of Maryland. (Televised)
- 2:00 p.m. Concert by New York Woodwind Quintet. Alice M. Baldwin Auditorium.
- 3:00 p.m. Woodwind Clinic Sessions. Alice M. Baldwin Auditorium.
- 3:00 p.m. String Clinic by members of the Duke String Quartet. East Duke Building.
- 5:00 p.m. Duke Freshman Basketball: Duke vs. Edwards Military Institute. Indoor Stadium.
- 8:30 p.m. Chamber Orchestra Concert. Page Auditorium. Allan Bone, Conductor.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Friday, 6:15 P.M.**, Supper, followed by worship and seminars: Mr. Ronald Crossley will lead in a discussion of C. S. Lewis' *Mere Christianity*, and the Reverend Julius Corpening will discuss "The Role of the Church in the College Community." Also, Dr. Allen Graves of the Southern Baptist Theological Seminary will be present to talk to persons interested in religious education and related fields.

## FOR ALL DENOMINATIONS: HARVARD DIVINITY SCHOOL REPRESENTATIVE

Dr. John Payne will be at the Baptist Center on Wednesday, February 19, from 2:00 until 6:00 P.M., to talk with any interested students about the Harvard Divinity School.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 8:00 P.M., Music Room, East Duke Building, Lecture—"Christian Science: What It Teaches and What It Does." The Lecturer, James Watt, of Washington, D. C., is a member of the Board of Lectureship of the First Church of Christ, Scientist, of Boston, Mass., the Christian Science Mother Church.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): Sunday, 9:30 A.M., Holy Communion. Monday, 8:15 P.M., Lecture Hall, Psychology-Sociology Building, Lecture I in the Episcopal Center Lectures: "The Roots of Christian Humanism"—Lecturer, Rev. Samuel J. Wylie. Tuesday, 3:30-5 P.M., Center, Open House for Father Wylie. Wednesday (Ember Day), 7:10 A.M. and 5:30 P.M., Center, Holy Communion; 8:15 P.M., Lecture Hall, Psychology-Sociology Building, Lecture II: "Christian Humanism: Its Implications for the University." Thursday, 2:00-4 P.M., Alumni Room, East Duke Building, Coffee Hour for Father Wylie; 8:15 P.M., Episcopal Center, Lecture III: "Christian Humanism: Its Implications for the Church." Friday (Ember Day), 7:10 A.M., Center, Holy Communion; 4:00 P.M., Center, Seminar on "Christianity and Modern Man." Saturday (Ember Day), 7:10 A.M., Center, Holy Communion.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): Monday, 5:15 P.M., Men's Graduate Center, Group will meet for supper and a discussion of *Honest To God*, by Bishop John A. T. Robinson.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Cranford Johnson, Assistant Chaplain): Sunday, 9:00 A.M., Seminar: *Honest To God*; Discussion will be preceded by a light breakfast; 6:00 P.M., Evening Prayer. The preacher will be Dr. M. O. Williams, Personnel Secretary, Methodist Board of Missions. Monday, Dr. M. O. Williams will be at the Center to talk with anyone interested in the mission program of the Methodist Church. Call the Methodist Center (286-9230) for an appointment. Tuesday, 12:30 P.M., Council Luncheon with Dr. William Gould, Methodist Board of Missions.

At 5:30 P.M., Sunday, Feb. 16, the Rev. John Sutton of the North Carolina Conference Board of Education, will be at the Methodist Center to talk with all students interested in summer jobs as camp counselors at Methodist camps in North Carolina.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): Sunday, 5:45 P.M., Vespers and Supper.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): Sunday, 5:30 P.M., at the home of Mr. and Mrs. John J. Carey, 2209 Morehead Ave. After supper and a brief business meeting, the group will go to the Methodist Center for the combined forum. Transportation will leave the Chapel steps, the East Campus circle and Hanes House at

5:15. Thursday, 12:40 P.M., Luncheon in Gilbert-Addoms Dining Hall.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, February 16th in the University Chapel.

The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University.  
Lector: Miss Asa Uoki, Secretary, Y.W.C.A., Japan  
Opening Organ Voluntary—Two Chorale Preludes

James Young

"Es ist genug" (First public performance)

"Wie soll ich dich empfangen"

Antiphons V from *Vêpres Du Commun*

Dupré

Choral Call to Worship—"The Lord Is In His Holy Temple"

Laufer

Hymn of Adoration—"When Morning Gilds the Skies"

Joseph Barnby

Prayers of Confession and for Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Adoramus te, Christe"

Mozart

Scripture Lesson—Philippians 4:4-8, 23

Hymn of Thanksgiving—"In Christ There Is No East Or West"

Alexander R. Reinagle

Call to Prayer

Student Prayers of Intercession and Petition

The Offering

Offertory Organ Interlude

Anthem—"Cantate Domino"

Schütz

Response—The Doxology

Prayer of Dedication

Sermon—Some Reflections on Prayer

Prayer

Benediction

Choral Response—"Sevenfold Amen"

Stainer

The Chimes

Closing Organ Voluntary "Wachet auf, ruft uns die Stimme"

Bach

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, February 23rd, is the Reverend Dr. Hugh Anderson, Professor of Biblical Theology, the Divinity School.

## HILLEL BRUNCH

The Duke Hillel Society will meet at brunch at 12:30 p.m. on Sunday, February 16th, in Room 208 Flowers Building. Dr. John A. Freeman of the Parapsychology Laboratories will be the guest speaker.

## SYMPOSIUM ON CHRISTIAN MISSION

This week marks the annual observance of Mission Emphasis under the sponsorship of the Divinity School. Guests from the Methodist Board of Missions will speak in York Chapel, at the Methodist Student Center, at Hospital Vespers, in Divinity School Chapel and classes and at an open supper forum on Wednesday evening. Speakers on this year's team will be Mr. Henry A. Lacy, Executive Secretary for Southern Asia; Dr. William B. Gould, Secretary of Student Work; The Reverend O. Bigham, Missionary to Brazil; and Dr. M. O. Williams, Secretary of Missionary Personnel. Dr. William will interview interested students at the Methodist Student Center on Monday, February 17th, and at the Divinity School, Tuesday, February 18th and Wednesday, February 19th.



## EPISCOPAL CENTER LECTURES

During the week of February 17th, the Episcopal University Center will inaugurate a series of lectures to be offered annually in the university. The Lecturer for 1964 will be Rev. Samuel J. Wylie, Rector of the Church of the Advent, Boston, Massachusetts. The topic for this series is "Christian Humanism: A Plea for Humanity." (See Denominational Announcements)

Father Wylie will be a guest at two coffee hours, to which all persons in the University are invited. The first will be on Tuesday, February 18th, from 3:30 to 5:00 p.m. at the Episcopal Student Center, and the second on Thursday, February 20th from 2 to 4 P.M. in the Alumni Room, East Duke Building.

## ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, February 17th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Mr. Maximo J. Cerame-Vivas, Department of Zoology, will speak on "The Hatteras Barrier: The Ecology of the Shelf Beuthos." Coffee and tea will be served in the foyer at 4:00.

## TRYOUTS FOR HOSPITAL MUSICAL PLAY

All medical center employees, staff, and students are eligible to participate in the production of an original musical comedy to be presented in the spring by the School of Medicine. Tryouts will be held on Monday, February 17th from 7:00 to 10:00 p.m. in the Hospital Amphitheatre and on Tuesday, February 18th from 7:00 to 10:00 p.m. in Page Auditorium.

## POLANYI LECTURES

The attention of the University community is drawn to a series of five major lectures by Professor Michael Polanyi, who is in residence during the current semester as James B. Duke distinguished professor in the Department of Religion. Professor Polanyi is widely regarded as one of the most distinguished living philosophers of the western world. Trained in the field of medicine, he has been Professor of Physical Chemistry in England and subsequently has held distinguished posts at Princeton, University of Chicago, and at Stanford's Institute of Advanced Studies in the Behavioral Sciences.

Professor Polanyi's sequence of five lectures on the theme, "Man in Thought," begins on Monday, February 10th. Lectures are scheduled on successive Mondays through March 9th, in the Music Room of East Duke Building, at 7:30 p.m. On the Tuesday afternoons following each lecture, Professor Polanyi will lead a discussion period from 3:30 to 5:00 o'clock, in 208 Flowers Building.

## URC LUNCHEON AND GUEST SPEAKER

The Faculty Program Committee of the Duke University Religious Council cordially invites you to attend a luncheon at 12:40 p.m. on Tuesday, February 18th, at which The Reverend Mr. Samuel J. Wylie will speak on "Christian Faith in Dialogue and Search: Signs of Renewal in Christian Heritage." It will be held in the Old Trinity Room with tickets priced at \$1.25.

Mr. Wylie is presently an Episcopal rector in Boston. He has had wide experience as a chaplain at various colleges (Columbia, University of Virginia, Brown) and in the College Division of the National Council of Churches. He is the author of two books, plus other publications, and is an authority on lay movements within the European church.

Since attendance will be limited to seventy (70) persons, those interested in attending are urged to call the Chapel Office (extension 2921 or extension 2909) to make a reservation no later than Thursday, February 13, 1964.

## MATHEMATICS SEMINAR

The Department of Mathematics announces two lectures by Professors A. F. and E. M. Horadam (husband and wife) of the University of New England, New South Wales, Australia. Mr. and Mrs. Horadam are both visiting professors at the University of North Carolina this term. Mrs. Horadam will speak, Tuesday, February 18th at 4:00 p.m. on "Arithmetical Functions of Generalized Integers." Mr. Horadam will speak, Tuesday, March 3rd at 4:00 p.m. on "Generalized Fibonacci Numbers." Both lectures will be held in Room 114 in the Physics Building, preceded by coffee in Room 120 Physics at 3:30 p.m.

## SAILING CLUB MEETING

The Duke Sailing Club will meet at 7:00 p.m., Tuesday, February 18th in 101 West Duke Building. John Sherwood will give a slide lecture on ocean racing. All are cordially invited to attend.

## INTERNATIONAL CLUB PANEL DISCUSSION

The Duke University International Club will present a panel discussion on Tuesday, February 18th at 8:00 p.m. in Room 111 Biological Sciences Building. The subject for discussion will be "President Kennedy—His Image in America and Abroad" with the panelists presenting the American, European, Middle Eastern and Neutralist points of view. The participants will be:

Dr. Richard Watson, Department of History.  
Dr. Athos Ottolenghi, School of Medicine  
Dr. Salih Wakil, Department of Biochemistry  
Mr. M. K. Nawaz, World Rule of Law Center

A cordial welcome is extended to all those wishing to attend.

## AAUP MEETING

A regular meeting of the Duke chapter of the American Association of University Professors will be held in the Law School Court Room on Tuesday, February 18th at 8:00 p.m. Professor J. F. Paschal of the Law School, and Professor W. Van Alstyne, of the Ohio State University School of Law, and Visiting Professor in the Duke University School of Law will speak on the North Carolina Speaker Ban Law. Professor M. M. Bevington will give the report of the Committee on Faculty Salaries and Living Costs.

### DIVINITY SCHOOL LECTURE

Mr. Henry A. Lacy, Executive Secretary for Southern Asia, Methodist Board of Missions, will lecture on "Changing Patterns: The Church in Southern Asia" in York Chapel, Divinity School, on Wednesday, February 19th at 11:00 a.m. The public is cordially invited.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Billy Ray Skelton for the Ph.D. degree in Economics will be held on Wednesday, February 19th at 1:30 p.m. in the Library Conference Room. The subject of Mr. Skelton's dissertation is "Industrialization and Unionization in North Carolina and South Carolina. An Economic Comparison." The committee to conduct the examination consists of Professors Frank T. de Vyver, C. B. Hoover, J. J. Spengler, Louis DeAlessi, and W. P. Yohe. Professor de Vyver will preside.

### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, February 19th at 4:15 p.m. in the auditorium of the Biological Sciences Building, West Campus. Dr. Ernest O. Beal, Professor of Botany and Bacteriology, at North Carolina State will speak on "The Occurrence and Maintenance of Polymorphism in Aquatic Plants."

Dr. Beal received his M.S. and Ph.D. degrees at the University of Iowa. Most of his research has been directed toward taxonomic and bio-systematic problems of aquatic plants.

Refreshments will be served in the foyer at 4:00 p.m.

### TRINITY COLLEGE HISTORICAL SOCIETY MEETING

The Trinity College Historical Society will hold its first dinner meeting for the spring semester on Wednesday, February 19th in the private dining room of the Men's Graduate Center, beginning at 5:30 p.m. The speaker will be Professor Tapan Kumar Raychaudhuri of the Delhi School of Economics, who is a visiting professor this semester in the Department of History.

Professor Raychaudhuri is a specialist in Indian economic history and holds D. Phil. degrees from both the University of Calcutta and Oxford University; he is currently managing editor of the *Indian Economic and Social History Review*. His subject will be "Indian Economic Backwardness in Historical Perspective."

### METHODIST BOARD OF MISSIONS MEETING

An open discussion meeting on "Changing Patterns in the World Church," with all members of the Methodist Board of Missions team, will be held at the Men's Graduate Center on Wednesday, February 19th at 6:00 p.m. The University Community is invited.

### ENGINEERING REVIEW LECTURES

The Duke University Chapter of Pi Tau Sigma, mechanical engineering national honor society, is sponsoring a series of review lectures on engineering fundamentals for those persons preparing for the Engineer-in-Training examination to be given in May by the State of North Carolina.

The EIT Examination is the first of two parts of written examination in partial fulfillment of the requirements for the registration and licensing of engineers in North Carolina. Credit for the EIT certificate usually is valid for a period of 10 years and is allowed reciprocity by most states.

Review lectures are scheduled on successive Wednesday nights at 7:00 p.m. in the auditorium of the College of Engineering Building. All sessions are open to the public. The dates and topics to be included are as follows:

**MATHEMATICS:** Wednesday, February 19th, 7:00 p.m., Room 125 Engineering Building. Professor J. N. Macduff.

**CHEMISTRY:** Wednesday, February 26th, 7:00 p.m., Room 125 Engineering Building. Dr. James Bonk.

**ELECTRICITY (Circuits):** Wednesday, March 4th, 7:00 p.m., Room 139 Engineering Building. Mr. J. M. Hunt.

**STATICS-STRENGTH:** Wednesday, March 11, 7:00 p.m., Room 139 Engineering Building. Mr. F. C. Sheppard.

**KINEMATICS-KINETICS:** Wednesday, April 15th, 7:00 p.m., Room 139 Engineering Building. Professor V. L. Kenyon.

**FLUIDS:** Wednesday, April 29th, 7:00 p.m., Room 139 Engineering Building. Dr. A. S. Wood.

### GUNTHER SCHULLER, MARY DUKE BIDDLE FOUNDATION LECTURER

The Department of Music will present Gunther Schuller, distinguished young composer from New York City as its Mary Duke Biddle Foundation Lecturer for 1963-64 on Wednesday, February 19th at 8:15 p.m. in the Alice M. Baldwin Auditorium, East Campus. Mr. Schuller's topic will be "Third Stream Music: A Vital Development in Jazz." His talk will be illustrated by tape recordings of appropriate musical examples performed by eminent jazz performers. A reception honoring Mr. Schuller will be given following the lecture in the Parlors of East Duke Building. The University Community and the general public are cordially invited to attend.

Mr. Schuller will also be an active participant in the Third Annual Music Educators' Conference presented by the Department of Music under the auspices of the Mary Duke Biddle Foundation on February 21st and 22nd. On Friday, February 21st, on the "An Evening With Iain Hamilton," he will conduct the New York Woodwind Quintet and the New York Brass Quintet in a performance of his "Double Quintet." On Saturday, February 22nd, he will be guest speaker at a luncheon honoring music teacher participants in the Conference. His topic will be "Composer and Listener: A Shared Responsibility."

He will participate with Iain Hamilton, Mary Duke Biddle Professor of Music, in a television discussion produced by WUNC-TV (Channel 4) which will be shown on Sunday, February 23rd, at 9:00 p.m.

### NEWCOMERS CLUB MEETING

The Newcomers' Club will hold a morning coffee on Thursday, February 20th at 10:00 a.m. at the



home of Mrs. Everett H. Hopkins, 2016 Campus Drive. The program will be a participation in the Club's project of sewing for underprivileged children. All members of the Club are invited to bring a "sack" lunch and continue sewing during the afternoon.

### PHYSIOLOGY & PHARMACOLOGY SEMINAR

The Department of Physiology & Pharmacology, Duke University Medical Center, will hold a seminar on Thursday, February 20th at 2:30 p.m. in Room 204 Davison Building. Dr. Robert E. Forster, Professor of Physiology, Postgraduate School of Medicine, University of Pennsylvania, will speak on "Diffusion of Oxygen into Red Blood Cells."

### REGULAR MEETING OF THE UNIVERSITY FACULTY

The University Faculty will meet in regular session in Room 125 Engineering Building on Thursday, February 20th at 4:00 p.m. The agenda will include approval of nominations of candidates for honorary degrees.

### STUDENT UNION PRESENTS FINE ARTS FILM FESTIVAL

The annual Student Union Fine Arts Film Festival will be presented on Thursday, February 20th at 7:30 p.m. in Page Auditorium. Entitled "Yesterday—Today and Tomorrow," the program will attempt to show the arts of the past, present and future, including films on sculpture, painting, the dance and experimental abstract photography. Open to the public without charge, the Student Union Fine Arts Committee extends a cordial invitation to the University Community to attend this unusual showing of art films. The program follows:

#### *Yesterday*

- "Greek Gods in Art"
- "Jan Van Eyck"
- "Chinese Painting Through the Ages"

#### *Today*

- "A Dancer's World" with Martha Graham
- "Alexander Calder: From the Circus to the Moon"

#### *Tomorrow*

- "Dom"
- "Dance in the Sun" with Daniel Nagren
- "Ai-Ye"
- "Dream of the Wild Horses"

### FRIENDS MEETING

The Society of Friends (Quakers) will hold their monthly business meeting at 7:30 p.m. on Thursday, February 20th, preceded by "potluck supper" at 6:00 p.m., at Friends Meeting House, on Alexander Street. For further information call Mrs. Martha Klopfer, 286-4868. All are welcome.

### COLLEGE OF ENGINEERING GUEST SPEAKER PROGRAM

The College of Engineering Guest Speaker Program will present Dean M. P. O'Brien, Thursday, February 20th at 8:00 p.m. in the Auditorium of the Engineering Building. Dean O'Brien, General Electric Company; and Dean Emeritus of Engineering, University of California, Berkeley, California, will speak on "The Dynamics of Engineering Practice."

### ECONOMICS LECTURE

Professor William P. Yohe will give the second in a series of public lectures on current economic issues on Thursday, February 20th at 8:00 p.m. in Room 130 Sociology and Psychology Building. His subject will be "The Tax Cut." The university community and the public are cordially invited.

### THIRD ANNUAL MUSIC EDUCATORS' CONFERENCE

The Department of Music will present its Third Annual Music Educators' Conference on February 21st and 22nd. Given under the auspices of the Mary Duke Biddle Foundation all of its events are presented without charge and the University Community and the general public are cordially invited to attend. This year the Conference will be primarily focussed on contemporary music in various lecture and concert presentations by guest Mary Duke Biddle Foundation lecturer Gunther Schuller, eminent New York composer, and the internationally renowned quintets: the New York Woodwind Quintet and the New York Brass Quintet. The programs of the Conference recognize the contemporary composer as a vital force in expanding the scope of our comprehensions and enriching the literature of the musical art.

On Friday evening, February 21st the two quintets will appear in conjunction with Iain Hamilton, in "An Evening With Iain Hamilton" featuring first performances of Hamilton's "Sonatas and Variants for Ten Winds" and "Quintet for Brass Instruments" by Alvin Etler, Professor of Composition at Smith College. The concert will be held at 8:15 p.m. in the Alice M. Baldwin Auditorium. Participants will be:

Iain Hamilton, Mary Duke Biddle Professor of Music  
Gunther Schuller, Guest Mary Duke Biddle Lecturer

#### The New York Woodwind Quintet:

Samuel Baron, flute  
Ronald Roseman, oboe  
David Glazer, clarinet  
Ralph Froelich, French horn  
Arthur Weisberg, bassoon

#### The New York Brass Quintet:

Robert Nagel, Ted Weis, trumpets  
Paul Ingraham, French horn  
John Swallow, trombone  
Harvey Phillips, tuba

#### Program

Eight Etudes and a Fantasy (1950)  
Sonatas and Variants for Ten Winds  
(First Performance)

Elliott Carter  
Iain Hamilton

#### Intermission

Double Quintet  
Quintet for Brass Instruments  
(First Performance)

Gunther Schuller  
Alvin Etler

On Saturday morning, February 22nd the members of the New York Brass Quintet will present a forty-five minute concert at 9:30 a.m. in Alice M. Baldwin Auditorium, East Campus to be followed by clinic sessions on the separate instruments for high school and college music teachers and their students. Similar presentations beginning with a 2:00 p.m. concert will be given by the New York Woodwind Quintet. String clinics by members of the Duke String Quartet will be presented at 3:00 p.m. in East Duke Building, Woman's College.

On Saturday evening, February 22nd at 8:30 p.m. in Page Auditorium the New York Woodwind Quintet, augmented by selected players from the Duke Symphony Orchestra, will participate in a forty-five piece chamber orchestra concert conducted by Allan Bone.

Program  
Allan Bone, Conductor

Soloists:  
Ronald Fishbaugh, Pianist  
Members of the New York Woodwind Quintet  
and the New York Brass Quintet

*Gabrieli*

Antiphonal Choir: The New York Brass Quintet  
*Samuel Barber*  
*Mozart*

Intermission

*Walter Piston*  
*Igor Stravinsky*

Sonata Pian e Forte from "Symphoniae Sacrae"  
Capricorn Concerto (1944) for Flute, Oboe, Trumpet and Strings  
Samuel Baron, Flute  
Ronald Roseman, Oboe  
Robert Nagel, Trumpet  
Sinfonia Concertante for Oboe, Clarinet, French Horn and Bassoon  
Ronald Roseman, Oboe  
David Glazer, Clarinet  
Ralph Froelich, French Horn  
Arthur Weisberg, Bassoon  
Concertino for Piano and Chamber Orchestra (1937)  
Mr. Fishbaugh  
Suite No. I for Small Orchestra (1917-1925)  
Suite No. II for Small Orchestra (1921)

#### ADVANCE NOTICE

#### ARTISTS SERIES: PRESTI AND LAGOYA, GUITAR DUO

The Duke University Artists Series will present Presti and Lagoya, duo-guitarists, Tuesday, March 10th at 8:15 p.m. in Page Auditorium. Ida Presti and Alexandre Lagoya had both established themselves as solo concert artists of considerable distinction when, in 1955 they joined forces to form a guitar-duo. In the years since, Presti-Lagoya have won critical praise and fervent audience acclaim in Europe, North Africa, India and Australia. In their unique and fascinating programs Presti and Lagoya combine original works for guitar-duo with superb transcriptions ranging from Bach and Scarlatti to Albeniz and Debussy. Tickets priced at \$2.50 and \$2.00 are available in 202A Flowers Building, or call extension 2911 for reservations.

#### TRIANGLE COFFEE HOUSE PRODUCTION

"Beast," a short play by Alan Goldsmith, University of North Carolina, '64, will be presented again Sunday, February 16th at 9:30 p.m. at the Triangle Coffee House at 1205 Duke University Road. Buck Roberts, a Duke alumnus, is coordinator for the production; Bob Tripp, a graduate student in psychology at Duke, is technical director, and Alan Ross, of the '61 Duke Class, is manager of the Coffee House. The cast includes: Laurel Dykstra, a Carolina Playmaker; Lise Knox of Durham; Charles Faust of the Raleigh Little Theatre; Dick King, a former Carolina Playmaker, and Alan Goldsmith of the University of North Carolina.

#### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application at once.

#### UNDERGRADUATE BOOK COLLECTORS CONTEST

The prize contest for Undergraduate Book Collectors is sponsored jointly by The Friends of Duke University Library and the Gothic Bookshop, and is open to all Undergraduates. Three prizes—of respectively \$100, \$60 and \$40 worth of books, winner's choice—will be awarded this year. The closing date is April 8th. For full details see Jeremy North at the Gothic Bookshop.

#### ART LOAN COLLECTION

The Department of Art announces that the Art Loan Collection is available for rental in Room 103 Asbury Building, Monday through Friday between 9:00 a.m. and 5:00 p.m. The collection contains reproductions of contemporary art and also some originals. The pictures are rented per semester. Rental fee is \$3.00 to be paid in advance. A few Student Loan Reproductions are also available, free of charge.

#### THE HARLEY AFRICAN COLLECTION

The George W. Harley African Collection is now on display on the second floor of the Psychology-Sociology Building (Old Biology) outside the Department of Sociology and Anthropology. Dr. Harley is a distinguished alumnus, formerly assistant curator of the Biology Museum at old Trinity College, and later curator of the Pathology Museum at the Yale Medical School. Much of his collection of African masks is in the Peabody Museum at Harvard, where he did post-graduate work. After a number of years of medical work in West Africa, Dr. Harley began for President Tubman the government museum of ethnology and history in Liberia. The exhibit will be on display during the spring semester.

#### STUDENT UNION CHILD CARE SERVICE

The Student Union's Special Service Committee wishes to remind the faculty, staff, and married students of the child care service provided by Woman's College students. Procedure for securing a "baby-sitter" is as follows:

1. Please call the dormitory which corresponds with



the first letter of your last name unless special contact has been made with a particular individual.

2. The dormitory representative (names listed below) will contact a "sitter" who will return the call to confirm the request.
3. Transportation must be supplied.
4. Standard rate is 50¢ per hour.
5. "Sitter" must be returned 15 minutes prior to house closing. (Friday and Sunday, 12:00 midnight; Saturday, 1:00 a.m.; week nights, 12:00 midnight for Juniors and Seniors and 10:30 p.m. for Freshmen and Sophomores.
6. Remember: An early request gets better results!

#### DORMITORY REPRESENTATIVES:

- A-B 1. Addoms (ext. 3823)—Louise Dowling  
C-E 2. Alsbaugh (ext. 3414)—Thais Ahrendt  
F-G 3. Aycock (ext. 3221)—Carolyn Cutchin  
H-J 4. Basset (ext. 3321)—Linda Gregory  
K-L 5. Brown (ext. 3521)—Pat Hughes  
M-N 6. Gilbert (ext. 3823)—Janet Evans  
O-Q 7. Giles (ext. 2231)—Mardi Jacobson  
R-S 8. Jarvis (ext. 3931)—Elaine Bloomer  
T-V 9. Pegram (ext. 2031)—Christy Nelson  
W-Z 10. Southgate (ext. 3721)—Linda Israel

#### DUKE MUSICIANS ON WUNC-TV PROGRAMS

##### *Duke String Quartet*

8:00 p.m. Wednesday, February 19th—Channel 4 "Performance Series"

5:00 p.m. Sunday, February 23rd—Channel 4 "Performance Series"

Composers Iain Hamilton and Gunther Schuller in Conversation

9:00 p.m. Sunday, February 23rd—Channel 4

Iain Hamilton and Duke String Quartet

9:30 p.m. Wednesday, February 26th—Channel 4

#### LAW SCHOOL CONFERENCE ON "SOVIET IMPACT ON INTERNATIONAL LAW"

A national conference entitled "Soviet Impact on International Law" will be held at the Duke Law School, Friday, February 28th through Saturday, February 29th. The conference is sponsored by The American Society of International Law and The Association of Student International Law Societies, and is open to the public. All the presentations will be made in the Law School Courtroom. Official program and applications may be obtained by writing to Conference, Box 4627, Duke Station, Durham, North Carolina.

#### ADVANCE NOTICE POETRY LECTURE

Professor Denis Donoghue of the University of Dublin, Ireland, will be the guest of the Department of English on Tuesday, February 25th. That evening at 8:15 p.m. he will lecture on "Three Directions in Modern American Poetry" in the Green Room, East Duke Building. Mr. Donoghue, currently Visiting Scholar at the University of Pennsylvania, is the author of several dozen essays on modern British and American literature and of a volume on modern poetic drama, *The Third Voice*. Two other volumes of his literary criticism are forthcoming.

The public is cordially invited to attend the lecture.

#### ADVANCE NOTICE ECONOMICS LECTURE

Professor Joseph J. Spengler will give the third in a series of public lectures on current economic issues on Tuesday evening, March 3rd at 8:00 p.m. in Room 130, Sociology and Psychology Building. His subject will be "The Population Explosion." The University Community and the Public are cordially invited.

#### ADVANCE NOTICE PHI BETA KAPPA MEETING

The annual spring business meeting of the Duke Chapter of Phi Beta Kappa will be held on Wednesday, February 26th, at 4:00 p.m. in Room 205 Divinity School. Undergraduate, alumnus, and honorary elections will be considered. Plans for the spring dinner and initiation will be presented. All members presently on the campus are urged to be present. Inquiries should be directed to the Secretary, Professor W. F. Stinespring, 105 Divinity School.

#### ADVANCE NOTICE ART DEPARTMENT LECTURE

Dr. W. S. Heckseher, Professor of Art History and Director of the Iconological Institute of the University of Utrecht, will give an illustrated lecture on "The Significance of Van Eyck's Portraits" in Room 204 East Duke Building on Friday, February 28th at 4:00 p.m. Dr. Heckseher is currently a visiting professor at the University of Pittsburgh, has been a member of the Institute for Advanced Study, Princeton, at frequent intervals, and was a Fellow of the Folger Shakespeare Library, Washington, D. C., in 1960 and 1963. The lecture is sponsored by the Department of Art with support from the Mary Duke Biddle Foundation.

#### AIRCADE

On Monday, March 2nd, Duke University and the Durham Chamber of Commerce will sponsor a program presented by the National Chamber of Commerce to stimulate citizenship participation in government.

The program will begin at 9:25 a.m. at Page Auditorium. Panelists will include Arch Booth and Edward B. Neilan of the National Chamber of Commerce and noted business and industrial leaders. This will be an audience participation program, with questions being submitted from the floor. Issues such as taxation, medicare, spending policies, etc., will be discussed.

A catered luncheon will be served in the Indoor Stadium. This will be followed by the conclusion of the program in Page Auditorium. Adjournment will be at 3:30 p.m.

The cost of \$7.00, including the luncheon. All interested faculty, staff, and students are requested to call or write the local Chamber of Commerce for tickets. Business men will be flying to Duke from a seven-state area. Participation must be limited to 1,200 people, with ticket requests being filled as they are received. Interested members of the University Community are urged to submit their ticket requests without delay.

WEEK OF

Feb. 23-29, 1964

WEEK OF

Feb. 23-29, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, February 23

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. Hugh Anderson, Professor of Biblical Criticism and Theology, The Divinity School. Sermon: "Faith and Its Fruit." Broadcast over Radio Station WDNC and WDNC-FM.
- 2:00-5:00 p.m. Student Union Chess Club. Room 204 Flowers Building.
- 7:15 p.m. Lenten Services, Episcopal Student Center.

### Monday, February 24

- 5:00 p.m. Memorial Services for David D. Holt, '61. University Chapel.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30 p.m. Religion Department Lecture: Professor Michael Polanyi. Music Room, East Duke Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, February 25

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. James M. Efrid.

- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball.
- 3:30-5:00 p.m. Religion Department Seminar on Professor Polanyi's Lecture. Room 208 Flowers Building.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 6:00 p.m. Freshman Basketball: Duke vs. Wake Forest. Indoor Stadium.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:15 p.m. Varsity Basketball: Duke vs. Wake Forest. Indoor Stadium.
- 8:15 p.m. English Department Lecture. Green Room, East Duke Building. Speaker: Professor Denis Donoghue.

### Wednesday, February 26

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. James M. Efrid.
- 11:00 a.m. Faculty Lecture. York Chapel. Speaker: Dr. William F. Stinespring.
- 4:00 p.m. Phi Beta Kappa Meeting. Room 205 Divinity School.
- 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Ralph Morrison.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-9:00 p.m. Badminton Open House. Woman's College Gymnasium. Open to all faculty, staff, and students.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. **Mondo Cane** "Intelligent and repellent . . . cultured and coarse . . . brilliant sequences"—**Herald Tribune**. "Gigantic motion picture"—Crowther, **New York Times**. The makers of this film have documented with devastating candor some of the flourishing cults of our world, and by an artful juxtaposing of the primitive and the civilized, the remote and the familiar, have managed to reveal in them a common source of irrationality that is chilling but fascinating to behold.
- 7:00 p.m. Student Union Duplicate Bridge Club. Green Room, East Duke Building.

## Thursday, February 27

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. J. B. Hanson.
- 2:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. Karl-Kleinz Gertz.
- 4:00 p.m. Academic Council Meeting. Room 208 Flowers Building. Speaker: Professor William L. Culberson.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:45 p.m. International Club Dinner and Meeting. Dining Hall, Men's Graduate Center. Speaker: Dr. Kurt Back.
- 7:30 p.m. English Department: Poetry Reading. Room 208 Flowers Building. Speaker: Mr. Charles Edward Eton.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Flowers Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, February 28

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. S. Stephen Smith.
- 11:00 a.m. Registration for National Law Conference: "Soviet Impact on International Law." Law School. (See special notice)
- 2:30-3:30 p.m. Tenth Conference on Teaching the Social Studies, General Session. Woman's College Auditorium. Speaker: Dr. Joseph J. Spengler.
- 4:00-5:00 p.m. Social Studies Conference. General Session. Woman's College Auditorium. Speaker: Dr. Ralph Braibanti.
- 4:00 p.m. Art Department Lecture. Room 204 East Duke Building. Speaker: Dr. W. S. Heckscher.

- 4:15-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 6:30 p.m. Chi Epsilon Banquet. Old Trinity Room. Speaker: Dr. W. Brewster Snow.
- 6:00-8:00 p.m. Social Studies Conference. Banquet. Union Ballroom. Speaker: Dr. Paul H. Clyde.
- 8:15 p.m. Men's and Women's Glee Clubs Joint Concert. Page Auditorium.

## Saturday, February 29

- 9:00-10:15 a.m. Conference on Teaching the Social Studies General Session. Woman's College Auditorium. Speaker: Dr. William L. Rowe.
- 10:45-12:00 noon. Conference on Social Studies. Woman's College Auditorium. Speaker: Dr. George T. Yu.
- 12:30-2:00 p.m. Conference on Social Studies. Luncheon. Union Ballroom. Speaker: Dr. Robert A. Rupen.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. **Mondo Cane**. "Intelligent and repellent . . . cultured and coarse . . . brilliant sequences"—**Herald Tribune**. "Gigantic motion picture"—Crowther, **New York Times**. The makers of this film have documented with devastating candor some of the flourishing cults of our world, and by an artful juxtaposing of the primitive and the civilized, the remote and the familiar, have managed to reveal in them a common source of irrationality that is chilling but fascinating to behold.
- 7:00 p.m. Student Union Duplicate Bridge Club. Green Room, East Duke Building.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Friday, 6:15 P.M.**, Supper, followed by Worship and Seminars: The Rev. Charles Wellborn will begin a series on Bishop Robinson's **Honest to God**. Chaplain Stines will lead a discussion on "Some Implications of the Christian Faith for A Philosophy of Language." Nominations for the 1964-65 B.S.U. Executive Council should be made at the Center office by February 28.

**Sunday, March 1**, Rides to the Murdoch School at Butner will leave from East and West circles at 1:45 P.M.

**CHRISTIAN SCIENCE ORGANIZATION: Tuesday, 6:45 P.M.**, East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday, 9:30 A.M.**, Holy Communion; 7:15 P.M., Forum. **Monday, (St. Matthias), 7:10 A.M. and 5:30 P.M.**, Holy Communion. **Friday, 7:10 A.M.**, Holy Communion; 4:00 P.M., Seminar on Orthodoxy.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday, 7:15 P.M.**, Episcopal Center, Forum. **Monday, 5:30 P.M.**, Men's Graduate Center, Supper meeting and Discussion of the book, **Honest to God** by J. A. T. Robinson.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 9:00 A.M.**, Seminars: **Honest to God** Seminar (snack breakfast followed by discussion); Faith and Life Seminar—organizational meeting—All interested in engaging in conversation on the relation of faith and life through readings, discussion and films, are invited to be present. A snack breakfast will precede the seminar. 6:00 P.M., Evening Prayer Service. **Thursday, 5:30 P.M.**, Men's Graduate Center, Social Legislation Seminar—After an introductory session on the governmental concern with social problems, specific issues—e.g. urban affairs, automation, civil rights, pressure groups and public opinion—will be the content of the following bi-weekly seminars. Go through the cafeteria line and bring your tray to the small dining room.

Tryouts for the Wesley Players' spring production, **Bus Stop** by William Inge, will be held February 25 and 26 at 7:30 P.M. at the Methodist Center.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.**, Home of Dr. and Mrs. Robert Bonar, 3306 Chapel Hill Road. After supper and a short business meeting the group will join the other campus groups for the Lenten Lecture Series at the Episcopal Center. Transportation will leave the East Campus circle, the Chapel steps and Hanes House at 5:15 P.M. **Thursday, 12:40 P.M.**, Luncheon at Gilbert-Addoms.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 5:45 P.M.**, Service of Holy Communion Fellowship Supper. Afterwards adjourn to Episcopal Center.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Hugh Anderson, Professor of Biblical Criticism and Theology, The Divinity School, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, February 23rd in the University Chapel.

The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University.  
 Lector: Miss Charlotte Bunch, President, North Carolina Methodist Student Movement.  
 Opening Organ Voluntary—Concerto no. V in F Major *Handel*  
 Larghetto, Allegro, Alla Siciliana, Presto  
 Choral Call To Worship—"The Lord Is In His Holy Temple"  
*Laufer*  
 Hymn of Adoration—"O For A Thousand Tongues To Sing"  
*Carl G. Glaser*  
*Arr. by Lowell Mason*

Prayers of Confession and For Pardon  
 Words of Assurance  
 The Lord's Prayer  
 Anthem—"Kyrie"  
*James Young*  
 (First public performance)  
 Scripture Lesson—Matthew 5:1-12  
 Hymn—"My Faith Looks Up To Thee"  
*Lowell Mason*  
 Call To Prayer  
 Prayer of Thanksgiving  
 Prayers of Intercession and Petition  
 The Offering  
 Offertory Organ Interlude  
 Anthem—"O Thou Fortress of Zion's Daughter"  
*Bach*  
 Response—The Doxology  
 Prayer of Dedication  
 Sermon—"Faith and Its Fruit"

Prayer  
 Benediction  
 Choral Response—"Sevenfold Amen"  
 The Chimes  
 Closing Organ Voluntary—Andante from  
*Concerto I in G Major*

*Stainer*

*Handel*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, March 1st, is the Reverend Professor James T. Cleland, the Dean of the Chapel. This will be Dean Cleland's last sermon in the Chapel before he and Mrs. Cleland leave on March 13 for Scotland, where he will deliver the Warrack Lectures on Preaching at the Divinity Halls of the four Scottish Universities. They hope to return to Duke for the opening of the new academic year in September. Dean Cleland has been asked to repeat on March 1 a sermon which he last preached in the Chapel in 1957 on Abraham, Isaac and Jacob: "Three Laymen and God." Dean Cleland also is scheduled to be the Presiding Minister in the Chapel on March 8th.

### LENTEN SERVICES CAMPUS CHRISTIAN CENTERS

On each of the Sunday nights in Lent, the Campus Christian Centers are presenting a series of forums. The theme of this series is: **For the Life of the World: A Study of God's Affirmation of Human Existence.** The sessions will be held at the Episcopal Student Center each Sunday night at 7:15 P.M. The nightly presentations will be followed by discussion. The five remaining topics are:

"The Incarnation: Man in Dilemma and God as Deliverer"  
 "The Incarnation and Identity: The Fulness of Man in a Redeemed Creation"  
 "The Incarnation and the Church: The Community Gathered for the Life of the World"  
 "The Incarnation and Existence: The Christian's Understanding of Himself"  
 "The Incarnation and Existence: The Christian in the University"

The University community is cordially invited to participate in these forums.

### MEMORIAL SERVICES FOR DAVID D. HOLT, '61

Memorial services for David D. Holt, '61, will be conducted in the chancel of the University Chapel on Monday, February 24th at 5:00 P.M., by Dean James T. Cleland, Professor Stuart C. Henry and Chaplain Howard C. Wilkinson. Lt. Holt is presumed dead in the disappearance of his plane in the Pacific Ocean, January 1.

### POLANYI LECTURE

The third lecture in the series of five major lectures by Professor Michael Polanyi will be given on Monday evening, February 24th at 7:30 p.m. in the Music Room, East Duke Building. Professor Polanyi is in residence during the current semester as James B. Duke distinguished professor in the Department of Religion; he is widely regarded as one of the most distinguished living philosophers of the western world. Trained in the field of medicine, he has been Professor of Physical Chemistry in England and subsequently has held distinguished posts at Princeton, University of Chicago, and at Stanford's Institute of Advanced



Studies in the Behavioral Sciences. The usual Tuesday seminar will follow on February 25th at 3:30 p.m. in Room 208 Flowers Building.

#### **DIVINITY SCHOOL FACULTY LECTURE**

Dr. William F. Stinespring, Professor of Old Testament, will deliver the annual Faculty Lecture in the Divinity School, York Chapel, on Wednesday, February 26, at 11 o'clock. Dr. Stinespring's subject is "Temple Research in Jerusalem."

#### **POETRY LECTURE**

Professor Denis Donoghue of the University of Dublin, Ireland, will be the guest of the Department of English on Tuesday, February 25th. That evening at 8:15 p.m. he will lecture on "Three Directions in Modern American Poetry" in the Green Room, East Duke Building. Mr. Donoghue, currently Visiting Scholar at the University of Pennsylvania, is the author of several dozen essays on modern British and American literature and of a volume on modern poetic drama, *The Third Voice*. Two other volumes of his literary criticism are forthcoming.

The public is cordially invited to attend the lecture.

#### **PHI BETA KAPPA MEETING**

The annual spring business meeting of the Duke Chapter of Phi Beta Kappa will be held on Wednesday, February 26th, at 4:00 p.m. in Room 205 Divinity School. Undergraduate, alumnus, and honorary elections will be considered. Plans for the spring dinner and initiation will be presented. All members presently on the campus are urged to be present. Inquiries should be directed to the Secretary, Professor W. F. Stinespring, 105 Divinity School.

#### **BOTANY SEMINAR**

The Botany Seminar will be held on Wednesday, February 26th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. Ralph Morrison, Department of Biology, Woman's College, University of North Carolina, will speak on "The Biology of a Plant Parasite."

After receiving his undergraduate training at William and Mary College, Dr. Morrison earned his doctorate at Indiana University in 1960, and has continued his investigations on infectious caused by powdery mildew fungi.

Refreshments will be served in the foyer at 4:00 p.m.

#### **ACADEMIC COUNCIL MEETING**

The Academic Council Meeting will be held on Thursday, February 27th at 4:00 p.m. in Room 208 Flowers Building. The program will be a discussion led by Professor William L. Culberson of the University grounds and their plantings.

#### **PHYSIOLOGY AND PHARMACOLOGY SEMINAR**

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar, Thursday, February 27th at 2:00 p.m. in Room M-204

Davison Building. Dr. Karl-Heinz Gertz, Department of Physiology, The Free University of Berlin will speak on "Transtubular Fluxes in the Proximal Tubule of Rat Kidney."

#### **INTERNATIONAL CLUB DINNER**

The Duke University International Club will hold a dinner and discussion meeting on Thursday, February 27th at 5:45 p.m. in the Dining Hall of the Men's Graduate Center. Dr. Kurt Baek of the Sociology Department will speak at 6:30 on "Problems in Population Control." All are welcome.

#### **CHARLES EDWARD EATON IN POETRY READING**

Charles Edward Eaton, poet from Woodbury, Connecticut, will read selections from his poems on Thursday, February 27th at 7:30 p.m. in Room 208 Flowers Building. Sponsored jointly by the English Department and the Student Union, Mr. Eaton comes to Duke under the auspices of the North Carolina Poetry Circuit. He is the author of several volumes of poetry, of which the latest, entitled *Countermove*, was published in 1962. He is a North Carolinian who at one time studied with Robert Frost and who has taught at U.N.C. and in Puerto Rico and has lived in South America. Mr. Eaton's reading will be open to the public without charge.

#### **NATIONAL LAW CONFERENCE "SOVIET IMPACT ON INTERNATIONAL LAW"**

A national conference entitled "Soviet Impact on International Law" will be held at Duke Law School, Friday, February 28th and Saturday, February 29th. The conference is sponsored by Duke University, The American Society of International Law, the Association of Student International Law Societies and the World Rule of Law Center. Various topics will be discussed including the Soviet attitudes toward the UN, third party adjudication, space law, nuclear weapons, wars of national liberation, trade and foreign aid. Speakers will include many distinguished persons such as Luther Hodges (Secretary of Commerce) and Richard Gardner (Deputy Assistant Secretary of State).

Staged primarily as a meeting of professionals in the field of international law and international relations, the conference sessions will be open to the public, providing seats are available. A general registration fee of \$5.00 will be charged. Reservations for the dinners and luncheons and further information may be obtained by writing Conference Committee, Box 4627, Duke Station, or by calling ext. 2298 at the Law School.

#### **ART DEPARTMENT LECTURE**

Dr. W. S. Heekseher, Professor of Art History and Director of the Iconological Institute of the University of Utrecht, will give an illustrated lecture on "The Significance of Van Eyck's Portraits" in Room 204 East Duke Building on Friday, February 28th at 4:00 p.m. Dr. Heekseher is currently a visiting professor at the University of Pittsburgh, has been a member of the Institute for Advanced Study, Princeton, at frequent intervals, and was a Fellow of the Folger Shakespeare Library, Washington, D. C., in 1960 and

1963. The lecture is sponsored by the Department of Art with support from the Mary Duke Biddle Foundation.

### TENTH CONFERENCE ON TEACHING THE SOCIAL STUDIES

The Tenth Conference on Teaching the Social Studies will be held on Friday and Saturday, February 28th and 29th with the theme, "Asia," a Conference for Elementary and Secondary School Teachers of Social Studies Supervisors, and Administrators. The schedule follows:

Friday, February 28th

2:30-3:00 p.m. General Session. Woman's College Auditorium. Speaker: Dr. Joseph J. Spengler.

4:00-5:00 p.m. General Session. Woman's College Auditorium. Speaker: Dr. Ralph Braibanti.

6:00-8:00 p.m. Banquet. Ballroom, West Campus Union. (By reservation only)

Saturday, February 29th

9:00-10:15 p.m. General Session. Woman's College Auditorium. Speaker: Dr. William L. Rowe.

10:45-12:00 noon. General Session. Woman's College Auditorium. Speaker: Dr. George T. Yu.

12:30-2:00 p.m. Luncheon. Ballroom, West Campus Union. Speaker: Dr. Robert A. Rupen. (By reservation only)

### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Friday, February 28th in the auditorium of the Physics Building at 4:15 p.m. Professor J. P. Trinkaus, Department of Zoology, Yale University, will speak on "Cell Segregation in Mixed Aggregates."

### CHI EPSILON BANQUET

Chi Epsilon, the newly organized Civil Engineering Honorary Fraternity, will be entertained at a banquet on Friday, February 28th at 6:30 p.m. in the Old Trinity Room of West Union Building. Following the presentation of the Charter the main address will be given by Dr. W. Brewster Snow, Chapter Honor Member, and Professor of Civil Engineering at Rutgers University.

### ADVANCE NOTICE AIRCADE

On Monday, March 2nd, Duke University and the Durham Chamber of Commerce will sponsor a program presented by the National Chamber of Commerce to stimulate citizenship participation in government.

The program will begin at 9:25 a.m. at Page Auditorium. Panelists will include Arch Booth and Edward B. Neilan of the National Chamber of Commerce and noted business and industrial leaders. This will be an audience participation program, with questions being submitted from the floor. Issues such as taxation, medicare, spending policies, etc., will be discussed.

A catered luncheon will be served in the Indoor Stadium. This will be followed by the conclusion of the program in Page Auditorium. Adjournment will be at 3:30 p.m.

The cost of \$7.00, including the luncheon. All interested faculty, staff, and students are requested to call or write the local Chamber of Commerce for tickets. Business men will be flying to Duke from a seven-state area. Participation must be limited to 1,200 people, with ticket requests being filled as they are

received. Interested members of the University Community are urged to submit their ticket requests without delay.

### JOINT CONCERT OF MEN'S AND WOMEN'S GLEE CLUBS

The combined voices of the Men's and Women's Glee Clubs will join in performances of works by Gabrielli, Schutz and Leisring in a special concert to be given at Page Auditorium at 8:15 p.m. on Friday, February 28th. Tickets, priced at \$1.00 general admission, will be available at the door on the evening of the concert.

James Young, acting director of choral activities will conduct the concert, accompanied by William Watson, '64, and John C. Ruggero, '68. A Brass Choir of two trumpeters and three trombonists from the Duke Band will perform in the featured combined choral numbers.

The program follows:

I  
The Testament of Freedom Randall Thompson

II  
Fantasy on American Folk Ballads Richard Donovan  
Farewell, my friends  
Old Bangum  
In the township of Danville  
Reuben Ranzo  
Jay Campbell, baritone solo  
John Miller, tenor solo  
John Ruggero and William Watson, pianists  
MEN'S GLEE CLUB

### INTERMISSION

III  
Messe Basse Gabriel Fauré  
pour voix de femmes  
Kyrie  
Sanctus  
Benedictus  
Agnus Dei  
William Watson, pianist

IV  
Liebeslieder Waltzer (a selection) Johannes Brahms  
John Ruggero and William Watson, pianists  
WOMEN'S GLEE CLUB

V  
Lift up your Heads, ye Mighty Gates Volkmar Leisring  
Ponder my words, O Lord Heinrich Schütz  
In ecclesiis Giovanni Gabrieli  
Bill Prizer, Ron Vaughn, Ed Keller, trumpets  
Tom Anderson, Ben Peck, trombones  
William Watson, pianist  
COMBINED GLEE CLUBS

### ADVANCE NOTICE ARTISTS SERIES: PRESTI AND LAGOYA, GUITAR DUO

The Duke University Artists Series will present Presti and Lagoya, duo-guitarists, Tuesday, March 10th at 8:15 p.m. in Page Auditorium. Ida Presti and Alexandre Lagoya had both established themselves as solo concert artists of considerable distinction when, in 1955 they joined forces to form a guitar-duo. In the years since, Presti-Lagoya have won critical praise and fervent audience acclaim in Europe, North Africa, India and Australia. In their unique and fascinating programs Presti and Lagoya combine original works for guitar-duo with superb



transcriptions ranging from Bach and Scarlatti to Albeniz and Debussy. Tickets priced at \$2.50 and \$2.00 are available in 202A Flowers Building, or call extension 2911 for reservations.

### ART LOAN COLLECTION

The Department of Art announces that the Art Loan Collection is available for rental in Room 103 Asbury Building, Monday through Friday between 9:00 a.m. and 5:00 p.m. The collection contains reproductions of contemporary art and also some originals. The pictures are rented per semester. Rental fee is \$3.00 to be paid in advance. A few Student Loan Reproductions are also available, free of charge.

### ADVANCE NOTICE ECONOMICS LECTURE

Professor Joseph J. Spengler will give the third in a series of public lectures on current economic issues on Tuesday evening, March 3rd at 8:00 p.m. in Room 130, Sociology and Psychology Building. His subject will be "The Population Explosion." The University Community and the Public are cordially invited.

### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application at once.

### THE ERASMUS CLUB PRIZE IN THE HUMANITIES

The Erasmus Club Prize in the Humanities is awarded annually to an undergraduate for the best essay embodying the results of research, criticism, or evaluation on some subject in the humanities. The value of the prize has this year been raised to \$50.00, and a second prize of \$20.00 will also be offered. Contestants should consult with some member of the faculty, preferably a professor in their major field about the essay before submitting it. Essays must be submitted to the Secretary of the Erasmus Club, Dr. Marcel Tetel, 202 Languages Building (or in his absence to the Romance Languages office, 205 Languages Building) on or before April 6, 1964. The two prize-winning papers will be deposited in the Erasmus Club archives; all others will be available to their authors on or after May 4, 1964.

### ADVANCE NOTICE STUDENTS CHAMBER MUSIC AND ORGAN RECITAL

The Music Department will present a Students Chamber Music and Organ Recital in the Alice M. Baldwin Auditorium on Sunday, March 1st at 4:00 p.m. The organists for the recital are all students of Mildred L. Hendrix; they will be joined by other student members of the Department of Music.

The program follows:

#### PROGRAM

- |   |  |
|---|--|
| Trio Sonata for Strings and Organ   | Arcangelo Corelli<br>(1653-1713)   |
| Op. 1, No. 1 in F Major<br>Grave, Allegro,<br>Adagio, Allegro                     |  |
| Sonata for Strings and Organ No. 10 in D Major<br>Allegro                         | Terry Scott, organ<br>(K245)<br>Mozart<br>(1756-1791)  |
| Sonata II for Two Recorders and Thorough Bass                                     | Annette Brisendine, organ<br>Arcangelo Corelli   |
| Andante Largo<br>Allemanda Allegro<br>Corrente Allegro<br>Gavotta Allegro         |  |
| Chorale "Praise to the Lord"  | May Bates, Alto recorder<br>Carol Papps, Alto recorder<br>Alice Williams, organ<br>Harald Rohlig |
| Concerto in F Major No. 13 for Organ and Orchestra                                | Ronald Steed, baritone<br>Judith Weingarth, organ<br>George Frederic Handel<br>(1685-1759)       |
| "The Cuckoo and the Nightingale:"<br>Larghetto } first two movements<br>Allegro } | William B. Trexler, organ  |
| Larghetto } last two movements<br>Allegro }                                       | Jere Farrar, organ   |
| Chorale Fantasia on "Christ the Lord Has Risen"                                   | Flor Peeters<br>(1903- )   |
| Allegro Maestoso<br>Two Trumpets, two trombones, and organ<br>John Simpson, organ |  |

### ADVANCE NOTICE ERASMUS CLUB MEETING

The Erasmus Club will meet on Monday, March 2nd at 8:00 p.m. in the Green Room, East Duke Building. Professor Sidney Markman of the Art Department will speak on: "The Stylistic Development of the Architecture of Antigua, Guatemala, 1542-1773." The lecture will be illustrated with slides and is open to all interested persons.

### UNDERGRADUATE BOOK COLLECTORS CONTEST

The prize contest for Undergraduate Book Collectors is sponsored jointly by The Friends of Duke University Library and the Gothic Bookshop, and is open to all Undergraduates. Three prizes—of respectively \$100, \$60 and \$40 worth of books, winner's choice—will be awarded this year. The closing date is April 8th. For full details see Jeremy North at the Gothic Bookshop.

WEEK OF

Mar. 1-7, 1964

WEEK OF

Mar. 1-7, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, March 1

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "Three Laymen and God." Broadcast over Radio Station WDNC and WDNC-FM.

2:00-5:00 p.m. Student Union Chess Club. Room 204 Flowers Building.

6:00 p.m. Guest Organ Recital: Mr. Robert Triplett. Methodist Student Center.

7:15 p.m. Lenten Service, Episcopal Student Center.

### Monday, March 2

9:25 a.m. Duke University and Durham Chamber of Commerce Aircade. Page Auditorium. Panelists: Mr. Arch Booth and Edward B. Neilan.

4:00 p.m. Classical Studies Lecture. Room 208 Flowers Building. Speaker: Dr. G. Nikolaus Knauer.

4:15 p.m. Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. William Dall.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30 p.m. Faculty Volleyball. Indoor Stadium.

7:30 p.m. Religion Lecture: Professor Michael Polanyi. Music Room, East Duke Building.

8:00 p.m. Erasmus Club Meeting. Green Room, East Duke Building. Speaker: Professor Sidney Markman.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, March 3

10:10 a.m. Divinity School Chapel. York Chapel. Dr. Harmon L. Smith.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball.

2:00 p.m. Joint Theoretical-Experimental Seminar. Physics Building. Speaker: Professor H. Maier-Leibnitz.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

3:30-5:00 p.m. Religion Department Seminar on Professor Polanyi's Lecture. Room 208 Flowers Building.

4:00 p.m. Mathematics Seminar. Room 114 Physics Building. Speaker: Professor A. F. Horadam.

4:00 p.m. Joint Duke-UNC Classics Faculty Colloquium. Seminar Room, Murphey Hall, Chapel Hill. Speaker: Dr. G. Nikolaus Knauer.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00 p.m. Gerontology Seminar. Room M110 Medical School. Speaker: Dr. Margaret A. Ohlson.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 5:30 p.m. Trinity College Historical Society Meeting. Meu's Graduate Center. Speaker: Professor Arthur S. Link.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:00 p.m. Economics Lecture. Room 130 Sociology and Psychology Building. Speaker: Professor Joseph J. Spengler.

### Wednesday, March 4

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Harmon L. Smith.
- 4:15 p.m. Botaay Seminar. Auditorium. Biological Sciences Building. Speaker: Dr. Carl J. Sindermann.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Engineering Review Lectures (E.I.T.) Room 139 Engineering Building. Speaker: Mr. J. M. Hunt.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-9:00 p.m. Badminton Open House. Woman's College Gymnasium. Open to all faculty, staff, and students.
- 7:00 and 9:20 p.m. Quadrangle Pictures. Page Auditorium. "Trial and Error" with Peter Sellers and Richard Attenborough. "The two actors are nimble and droll."—Crowther, N. Y. Times. "A steady gale of wild laughter! Peter Sellers' sly, sneaky style of humor creeps mischievously through."—Cook, World Telegram. (Today only)
- 8:15 p.m. Parapsychology Lecture. Music Room, East Duke Building. Speaker: Dr. K. Ramakrishna Rao.

### Thursday, March 5

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. J. L. Bryan.
- 4:00 p.m. Physiology-Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. Edwin W. Taylor.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 6:00 p.m. Divinity Dames Supper. Union Ballroom.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:00 p.m. North Carolina Sub-Section of P.G.E.D. Meeting. Camille Dreyfus Auditorium, Research Triangle Institute Campus. Speaker: Dr. R. W. Lade.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty

children will be admitted only when accompanied by their parents.

### Friday, March 6

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Harmon L. Smith. Mr. Clay H. Turner.
- 4:15 p.m. Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Professor B. L. Slobodkin.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 7:30 p.m. Bowling for faculty members and families at Sportland. Regular rates apply.
- 8:15 p.m. Duke Players Performance: "The Zoo Story" and "The American Dream" by Edward Albee. Page Auditorium.

### Saturday, March 7

- 2:15 p.m. Duke Players Matinee Performance: "The Zoo Story" and "The American Dream" by Edward Albee. Page Auditorium.
- 8:15 p.m. Duke Players Performance: "The Zoo Story" and "The American Dream" by Edward Albee. Page Auditorium.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Sunday**, Rides leave East and West circles at 1:45 P.M. for the Sunday School program at the Murdoch School at Butner. **Friday**, 6:15 P.M., Supper, followed by election of new Executive Council. Seminars following to be: Mr. Charles Wellborn on Bishop Robinson's *Honest to God*; Chaplain Stines—"Some Implications of the Christian Faith for a Philosophy of Language."

March 14-15: The Duke Baptist Student Union is sponsoring a retreat at Camp New Hope. Dr. W. D. White will be the speaker. Any interested persons are invited to register now at the Baptist Center.

**CHRISTIAN SCIENCE ORGANIZATION**: **Tuesday**, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday**, 9:30 A.M., Holy Communion; 7:15 P.M., Lenten Ecumenical Forum. **Wednesday**, 7:10 A.M. and 5:30 P.M., Holy Communion. **Friday**, 7:10 A.M., Holy Communion; 4:00 P.M., Seminar: "Christianity and Modern Man."

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Monday**, 5:30 P.M., Men's Graduate Center, Supper meeting and discussion of *Honest to God* by Bishop J. A. T. Robinson.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday**, 9:00 A.M., Seminar, *Honest to God*, Discussion will be pre-

ceded by a light breakfast; 6:00 P.M., Program of Sacred Organ Music, Mr. Robert Triplett, Organist. **Thursday, 5:30 P.M.**, Men's Graduate Center, Seminar: "Social Legislation": Discussion on alternate Thursday evenings on such topics as urban affairs, automation, civil rights, pressure groups, and public opinion. Go through cafeteria line and bring your tray to the small dining room.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday**, Interdenominational Fellowship Supper (50c). Afterwards participate in Lenten Series.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.**, Home of Dr. and Mrs. Henry Fairbank, 1515 Pinecrest Road. After supper, Dr. Fairbank will speak on "The Relationships of Science and Religion." **Thursday, 12:40 P.M.**, Luncheon at Gilbert-Addoms.

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### THE UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, March 1st in the University Chapel.

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, March 8th, is the Reverend Dr. Howard C. Wilkinson, Chaplain to the University and Director of Religious Activities. He expects to preach on "The Uninvested."

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### GUEST ORGAN RECITAL METHODIST CENTER

The Methodist Center is pleased to present Mr. Robert Triplett, Organist, in a program of sacred music on Sunday evening March 1st at 6:00 p.m., at the Methodist Center. Mr. Triplett is a member of the music on Sunday evening, March 1st at 6:00 p.m., at University of Georgia and Union Theological Seminary in New York. The University community is cordially invited to attend.

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### LENTEN SERVICES

On each of the Sunday nights in Lent, the Campus Christian Centers are presenting a series of forums. The theme of this series is: **For the Life of the World: A Study of God's Affirmation of Human Existence.** The sessions are being held at the Episcopal Student Center each Sunday night at 7:15 p.m. The nightly presentations will be followed by discussion. The four remaining topics are:

"The Incarnation and Identity: The Fulness of Man in a Redeemed Creation"

"The Incarnation and the Church: The Community Gathered for the Life of the World"

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"The Incarnation and Existence: The Christian in the University"

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On Monday, March 2nd, Duke University and the Durham Chamber of Commerce will sponsor a program presented by the National Chamber of Commerce to stimulate citizenship participation in government.

The program will begin at 9:25 a.m. at Page Auditorium. Panelists will include Arch Booth and Edward B. Neilan of the National Chamber of Commerce and noted business and industrial leaders. This will be an audience participation program, with questions being submitted from the floor. Issues such as taxation, medicare, spending policies, etc., will be discussed.

A catered luncheon will be served in the Indoor Stadium. This will be followed by the conclusion of the program in Page Auditorium. Adjournment will be at 3:30 p.m.

The cost of \$7.00, including the luncheon. All interested faculty, staff, and students are requested to call or write the local Chamber of Commerce for tickets. Business men will be flying to Duke from a seven-state area. Participation must be limited to 1,200 people, with ticket requests being filled as they are received. Interested members of the University Community are urged to submit their ticket requests without delay.

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### CLASSICAL STUDIES LECTURE

Dr. G. Nikolaus Knauer, distinguished young Latinist of the Free University of Berlin, will be the guest of the Department of Classical Studies on Monday, March 2nd and Tuesday, March 3rd. Author of a book and several essays on Saint Augustine, he will lecture on the subject of his forthcoming book, "Vergil's Aeneid and Homer," at 4:00 p.m. Monday, March 2nd, in Room 208 Flowers Building. The lecture is open to all interested persons.

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### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, March 2nd in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. William Dall, Department of Zoology, University of Queensland, Brisbane, Australia, will speak on "Terminal Carbohydrate Metabolism in a Penaeid Shrimp." Coffee and tea will be served in the foyer at 4:00.

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### TRINITY COLLEGE HISTORICAL SOCIETY

The Trinity College Historical Society will hold its fifth dinner meeting in the private dining room of the Men's Graduate Center on Tuesday, March 3rd. A special cafeteria line will begin to serve members promptly at 5:30 p.m. The speaker, Professor Arthur S. Link of Princeton University, is an authority on Woodrow Wilson and his times, and is among the most distinguished of contemporary American historians. Dr. Link has to date published three volumes of his life of Wilson. His paper, entitled: "The Strange Story of the House-Grey Memorandum" deals with an aspect of the controversy as to whether Wilson, early in 1916, intended to involve the U. S. in the First World War.



Those interested in attending the meeting are requested to notify the TCHS President, Mr. Tony Woods, via Carrell 609, West Library or the History Department Office in Allen Building by 5:00 p.m. on Monday, March 2nd.

#### **POLANYI LECTURE**

The fourth lecture in the series of five major lectures by Professor Michael Polanyi will be given on Monday evening, March 2nd at 7:30 p.m. in the Music Room, East Duke Building. Professor Polanyi is in residence during the current semester as James B. Duke distinguished professor in the Department of Religion; he is widely regarded as one of the most distinguished living philosophers of the western world. Trained in the field of medicine, he has been Professor of Physical Chemistry in England and subsequently has held distinguished posts at Princeton, University of Chicago, and at Stanford's Institute of Advanced Studies in the Behavioral Sciences. The usual Tuesday seminar will follow on March 3rd at 3:30 p.m. in Room 208 Flowers Building.

#### **ERASMUS CLUB MEETING**

The Erasmus Club will meet on Monday, March 2nd at 8:00 p.m. in the Green Room, East Duke Building. Professor Sidney Markman of the Art Department will speak on: "The Stylistic Development of the Architecture of Antigua, Guatemala, 1542-1773." The lecture will be illustrated with slides and is open to all interested persons.

#### **JOINT THEORETICAL-EXPERIMENTAL SEMINAR**

The Physics Department will hold a Joint Theoretical-Experimental Seminar on Tuesday, March 3rd at 2:00 p.m. in the Physics Building. Professor H. Maier-Leibnitz will present a talk on "Neutron Optics."

#### **MATHEMATICS SEMINAR**

The Department of Mathematics will hold a seminar, Tuesday, March 3rd, at 4:00 p.m. in Room 114 Physics Building. Professor A. F. Horadam, University of New England, New South Wales, Australia and University of North Carolina, will speak on "Generalized Fibonacci Numbers." Coffee will be served at 3:30 in Room 120 Physics Building.

#### **PARAPSYCHOLOGY LECTURE**

Dr. K. Ramakrishna Rao, Research Associate, Parapsychology Laboratory, will present a public lecture entitled "Parapsychology and the Nature of Man." Dr. Rao will speak in the Music Room, East Duke Building, on Wednesday, March 4th at 8:15 p.m. The public is cordially invited to attend.

#### **ECONOMICS LECTURE**

Professor Joseph J. Spengler will give the third in a series of public lectures on current economic issues on Tuesday evening, March 3rd at 8:00 p.m. in Room 130, Sociology and Psychology Building. His subject will be "The Population Explosion." The university community and public are cordially invited.

#### **BOTANY SEMINAR**

The Botany Seminar will be held on Wednesday, March 4th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. Carl J. Sindermann, Director of the Biological Laboratory, Bureau of Commercial Fisheries at Oxford, Maryland, will speak on "Fungus Disease Epizootics in Marine Animals."

As a parasitologist Dr. Sindermann has been interested in the diseases and immunogenetics of marine organisms. His present position as Director of the Biological Laboratory follows by some thirteen years the completion of his graduate work at Harvard. In the interregnum he has served in various capacities as a marine biologist and administrator and at one time was on the faculty at Brandeis.

A refreshment period will precede the meeting at 4:00 p.m. in the foyer.

#### **GERONTOLOGY SEMINAR**

The Duke University Council on Gerontology will hold a seminar on Tuesday, March 3rd at 5:00 p.m. in Room M110 Medical School. Dr. Margaret A. Ohlson, Director, Department of Nutrition, State University of Iowa, will speak on "Food Selection in Relation to the Health of the Elderly." The public is cordially invited to attend.

#### **PHYSIOLOGY AND PHARMACOLOGY SEMINAR**

The Department of Physiology and Pharmacology will hold a seminar Thursday, March 5th at 4:00 p.m. in Room M-204 Davison Building. Dr. Edwin W. Taylor, University of Chicago, will speak on "Studies on the Mechanism of Inhibition of Mitosis by Colchicine."

#### **DIVINITY DAMES SUPPER**

The Divinity Dames will have a "Covered Dish Supper" on Thursday, March 5th at 6:00 p.m. in the Union Ballroom. Entertainment will be singing led by Sam Harmon, and a children's program led by Kip Neeves. All members of the Divinity School and their families are invited.

#### **INFORMAL MEETING OF (UNORGANIZED) N. C. SUB-SECTION OF P.G.E.D.**

There will be an informal meeting of the N. C. Sub-Section of P.G.E.D. (unorganized) on Thursday, March 5th at 8:00 p.m. in the Camille Dreyfus Auditorium, Research Triangle Institute Campus. Dr. R. W. Lade, Department of Electrical Engineering, "North Carolina State College," Raleigh, will speak on "Ohmic Contacts To Germanium and Silicon." This is the initial open meeting of a group interested in discussing electron devices and related research.

#### **ZOOLOGY SEMINAR**

The Zoology Department will hold a seminar on Friday, March 6th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Professor B. L. Slobodkin, Department of Zoology, University of

Michigan, will speak on "Experimental Populations of Hybrids." Coffee and tea will be served in the foyer at 4:00.

### DUKE PLAYERS PERFORMANCES

"The Zoo Story" and "The American Dream"

Edward Albee's plays "The Zoo Story" and "The American Dream" will be presented by Duke Players on Friday, March 6th and Saturday, March 7th at 8:15 p.m. in Page Auditorium, with a Saturday matinee at 2:00 p.m. The plays are directed by Kenneth Reardon with Victor Michalak as technical director.

Perhaps the most prolific and controversial man in the American Theatre today, Edward Albee writes with piercing intensity and keen wit of the American scene. His "Who's Afraid of Virginia Wolf" is still running on Broadway and recently his "The Ballad of the Sad Cafe" proved to be one of the most unusual productions of the season.

### RECITAL POSTPONED

The Music Department Student Chamber Music and Organ Recital originally scheduled for Sunday, March 1st, has been postponed until Friday, May 8th at 8:15 p.m. in the Alice M. Baldwin Auditorium.

### ART EXHIBITIONS

West Gallery—"Modern Religious Prints"

The Student Union's Fine Arts Committee announces the opening of a distinguished exhibition, "Modern Religious Prints," now on display in the Alumni Lounge of West Union Building. It may be seen without charge until the 22nd of March.

An exhibition of 48 prints by 32 artists and selected by Miss Elaine L. Johnson, Assistant Curator of Drawings and Prints at the Museum of Modern Art, New York; the exhibition was organized for circulation by the Museum's Department of Circulating Exhibitions. All but two loans are from the Museum Collection.

Prints in the exhibition range in date from Bresdin's *Good Samaritan* of 1861 to Watanabe's *People Visiting the Stable* of 1962. The hundred years spanned by the prints begins with the height of naturalism and continues through such movements as impressionism, surrealism, and abstract expressionism. Included are wood-cuts, etchings, lithographs, and stencils.

The majority of works illustrate episodes from the Bible, particularly the Old Testament. Chagall has three works included; other Old Testament figures, both virtuous and villainous, are presented by Corinth's *Cain* and two interpretations each of the Jonah and Noah stories. Familiar scenes in unexpected form are the *Destruction of Sodom* by the Japanese artist Kanamori and the equivocal *Judgment of Solomon* by Pascin.

Incidents from the New Testament emphasize the drama of Christ's life. Several versions of the Three Kings are included, as well as five portrayals of

Christ on the Cross created by artists of such varying viewpoint as the post-impressionist, Emile Bernard, the expressionists Nolde and Rouault, the School of Paris master Villon, and the Italian contemporary Mareello Muccini. Also shown are illustrations of Christ's teachings, such as Forains' *The Prodigal Son*.

Apoeryphal, legendary, and historical subjects not included in the Bible are given fresh life by Baskin's *Tobias and the Angel* (the only wood engraving in the exhibition), Dali's *St. George and the Dragon*, and Redon's illustrations for Flaubert's *The Temptation of St. Anthony*.

### EAST GALLERY ART EXHIBIT

Works by Edith London

The Gallery in the East Campus Library will house an exhibition of recent works by Edith London during the month of March. Mrs. London, who came to Duke in 1939 when her husband, the late Dr. Fritz London joined the University's Physics Department, is known throughout the area as an artist of uncommon ability. She has studied in her native Berlin and in Paris with the internationally esteemed artists, Marcel Gromaire and Andre Lhote. However, her art owes much to her own sensitive and thoughtful nature and to many years of perceptive seeing. Although her work is distinguished by its delicacy of color and texture, one cannot overlook the intellectual discipline of composition and form that underlies the more sensuous aspect of her style.

The exhibition is composed of 27 items of which 15 are oils, 6, pen and ink drawings; and 6, collages. Several private collectors have loaned works for the exhibition, and the North Carolina Museum of Art has generously sent two of Mrs. London's works from its collections. The inclusion of several earlier paintings allows one to see the evolution of Mrs. London's style to the complete abstraction evident in her most recent canvases. Certainly, her increasing use of the medium of collage stands as a contributing factor to her current investigation of the evocative and associative qualities of color, form, and texture, unconfined by the limitations of recognizable subject matter. Her works invite long and increasingly enriching contemplation.

### ADVANCE NOTICE

#### ARTISTS SERIES: PRESTI AND LAGOYA, GUITAR DUO

The Duke University Artists Series will present Presti and Lagoya, duo-guitarists, Tuesday, March 10th at 8:15 p.m. in Page Auditorium. Ida Presti and Alexandre Lagoya had both established themselves as solo concert artists of considerable distinction when, in 1955 they joined forces to form a guitar-duo. In the years since, Presti-Lagoya have won critical praise and fervent audience acclaim in Europe, North Africa, India and Australia. In their unique and fascinating programs Presti and Lagoya combine original works for guitar-duo with superb transcriptions ranging from Bach and Scarlatti to Albeniz and Debussy. Tickets priced at \$2.50 and \$2.00 are available in 202A Flowers Building, or call extension 2911 for reservations.



## FRENCH AND SPANISH EXAMINATIONS FOR CANDIDATES FOR GRADUATE DEGREES

The French and Spanish examinations for candidates for Graduate degrees will be held on April 10, 1964, 4:00 p.m., in Room 113 Physics Building. Candidates register for these examinations not later than March 26, 1964 (no exceptions to this deadline) in the Graduate School Office, Room 127 Allen Building.

## STUDENT-FACULTY MEMBERSHIP PLAN FOR MUSEUM OF MODERN ART

Realizing the widespread interest among students and faculty concerning the development of the visual arts of our day, the Museum of Modern Art offers a Student Group Membership Plan to colleges and art schools outside the New York City area. Through this plan, students and faculty may join the Museum for the reduced rate of \$10.00 between now and Friday, March 20th, 1964.

This membership gives all the privileges of regular Non-Resident Membership (otherwise \$15.00 a year) including four free books and a 25% Members' discount on Museum publications and color reproductions at a 50% discount.

Further, Members are given reduced subscription rates for "Art News," "Art In America" and "Arts" magazines. They receive free bulletins on activities in the Museum's varied program, and the Members' Calendar of Events which describes all current exhibitions, new publications, lectures and special events.

The membership card allows unlimited free admissions to the galleries (including the daily film showings) and use of the Members' penthouse. Student Members may also use the Museum Library which contains the world's . . . foremost collection of books, periodicals, reference files and photographic archives on modern art. Through the Art Lending Service, original works of art may be rented with the option to buy. The Penthouse Restaurant, which is reserved for members, provides a popular meeting place for students visiting New York.

This spring the Student Group Membership Plan enters its eighth year with sixty participating colleges and art schools across the country. Reduced membership rates for a school of Duke's size go into effect when a minimum of twenty (20) students and faculty members are enrolled.

Applications will be made through the Student Activities Office, the Acting College Representative, in 202A Flowers, or by calling extension 2911. Checks should be made payable to The Museum of Modern Art.

## THE ERASMUS CLUB PRIZE IN THE HUMANITIES

The Erasmus Club Prize in the Humanities is awarded annually to an undergraduate for the best essay embodying the results of research, criticism, or evaluation on some subject in the humanities. The value of the prize has this year been raised to \$50.00, and a second prize of \$20.00 will also be offered. Contestants should consult with some member of the faculty, preferably a professor in their major field

about the essay before submitting it. Essays must be submitted to the Secretary of the Erasmus Club, Dr. Marcel Tetel, 202 Languages Building (or in his absence to the Romance Languages office, 205 Languages Building) on or before April 6, 1964. The two prize-winning papers will be deposited in the Erasmus Club archives; all others will be available to their authors on or after May 4, 1964.

## 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application at once.

## UNDERGRADUATE BOOK COLLECTORS CONTEST

The prize contest for Undergraduate Book Collectors is sponsored jointly by The Friends of Duke University Library and the Gothic Bookshop, and is open to all Undergraduates. Three prizes—of respectively \$100, \$60 and \$40 worth of books, winner's choice—will be awarded this year. The closing date is April 8th. For full details see Jeremy North at the Gothic Bookshop.

## ART LOAN COLLECTION

The Department of Art announces that the Art Loan Collection is available for rental in Room 103 Asbury Building, Monday through Friday between 9:00 a.m. and 5:00 p.m. The collection contains reproductions of contemporary art and also some originals. The pictures are rented per semester. Rental fee is \$3.00 to be paid in advance. A few Student Loan Reproductions are also available, free of charge.

## TRIANGLE AREA DRAMA

Final performances of the Durham Theatre Guild's controversial and thought-provoking play, "Between Two Thieves" by Warner LeRoy, will be given on Saturday, February 29th and Sunday, March 1st at the Allied Arts Center, 810 West Proctor Street at 8:30 p.m. Reservations may be made by calling 682-5519.

The Triangle Players will present "A Question of Mother" by Wilton Beauchamp at the Triangle Coffee House, 1205 Duke University Road, at 9:30 p.m. on Sunday, March 1st.

WEEK OF  
Mar. 8-14, 1964

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# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, March 8

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University. Sermon: "The Uninvested." Broadcast over Radio Station WDNC and WDNC-FM.
- 2:00-5:00 p.m. Student Union Chess Club. Room 204 Flowers Building.
- 4:00 p.m. Music Department Student Recital. Music Room, East Duke Building.
- 7:15 p.m. Campus Christian Centers Lenten Service. Episcopal Student Center.

### Monday, March 9

- 4:15 p.m. Zoology Seminar. Auditorium of the Biological Sciences Building. Speaker: Dr. Howard B. Haines.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30 p.m. Religion Lecture: Professor Michael Polanyi. Room 208 Flowers Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, March 10

- 10:00 a.m. Divinity School Chapel. York Chapel. Speaker: Dr. John J. Rudin, II.
- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.
- 3:00 p.m. Campus Club Tea. Home of Mrs. Douglas M. Knight, 2138 Campus Drive.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 3:30 p.m. Seminar on Professor Polanyi's Lecture. Room 208 Flowers Building.
- 4:00 p.m. Mathematics Seminar. Room 114 Physics Building. Speaker: Merrell L. Patrick.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Duke Sailing Club Instruction. Room 101 West Duke Building.
- 7:00 p.m. Pre-Artists Series Seminar. Room 208 Flowers Building. Speaker: Mr. J. Donald McLaughlin.
- 8:00 p.m. Joint Duke-UNC Philosophy Colloquium. Room 213 Caldwell Hall, University of North Carolina. Speaker: Dr. David S. Shwayder.
- 8:15 p.m. Duke Artists Series: Presti and Lagoya. Page Auditorium.

### Wednesday, March 11

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. John J. Rudin, II.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 11:00 a.m. Divinity School Library Lecture. York Chapel. Speaker: Dr. G. Henton Davies.
- 4:00 p.m. Psychology Colloquium. Room 130 Old Biology Building. Speaker: Dr. Herbert S. Terrace.
- 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Stewart Nielsen.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Student Union Duplicate Bridge Club. Green Room, East Duke Building.
- 7:00 p.m. Engineering Review Lectures (E.I.T.). Room 139 Engineering Building. Speaker: Mr. F. C. Sheppard.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-9:00 p.m. Badminton Open House. Woman's College Gymnasium. Open to all faculty, staff, and students.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Two Daughters." Award winning film from India directed by Satyajit Ray. "A blend of poetic creation that is almost majestic. It touches the universal heart of man. A rare experience."—Crowther, N. Y. Times. A fragile study of the obtuseness of love and blindness of lovers."—Newsweek Mag.

## Thursday, March 12

- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Mr. William E. Lovell.
- 11:30 a.m. Engineering Lecture. Room 125 Engineering Building. Speaker: Mr. F. D. Rossi.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. Rubin Bressler.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. Nereidian Show: "Timesweep." East Campus Pool.
- 8:15 p.m. Duke Symphony Orchestra Concert. Page Auditorium. Reception following Concert, Flowers Lounge.

## Friday, March 13

- 10:10 a.m. Divinity School Chapel. York Chapel. Speakers: Dr. John J. Rudin, II, and Mr. Linden W. Damschroder.
- 4:00 p.m. Chemistry Seminar. Room 01 Chemistry Building. Speaker: Mr. D. S. Breslow.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 7:30 p.m. Bowling for faculty members and families at Sportland. Regular rates apply.
- 8:15 p.m. Recital of Violin and Chamber Music performed by students of Joseph Pepper. Music Room, East Duke Building.

## Saturday, March 14

- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Two Daughters." Award winning film from India directed by Satyajit Ray. "A blend of poetic creation that is almost majestic. It touches the universal heart of man. A rare experience."—Crowther, N. Y. Times. A fragile study of the obtuseness of love and blindness of lovers."—Newsweek Mag.
- 8:00 p.m. Duke Regional Assembly, General Session. Music Room, East Duke Building. Speaker: Professor C. B. Hoover.
- 8:15 p.m. Nereidian Club Show: "Timesweep." East Campus Pool.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Friday**, 6:15 P.M., Supper, followed by installation of the new B.S.U. Executive Council. **Saturday and Sunday, March 14-15**, Camp New Hope, Spring Planning Retreat. Dr. W. D. White will be the guest speaker. Rides will leave the circles on Saturday at 1:30 P.M., returning to campus Sunday by 3:00 P.M. Cost—\$3.50. Register at the Center. All interested persons are invited.

**CHRISTIAN SCIENCE ORGANIZATION**: **Tuesday**, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday**, 9:30 A.M., Holy Communion; 7:15 P.M., Lenten Ecumenical Forums. **Tuesday**, 5:15 P.M., Inquirer's Class. **Wednesday**, 7:10 A.M. and 5:30 P.M., Holy Communion. **Friday**, 3:15 P.M., Seminar on Orthodoxy.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, 7:15 P.M., Forum at Episcopal Center. **Monday**, 5:30 P.M., Men's Graduate Center, Supper meeting, to be followed by a discussion of *Honest to God* by J. A. T. Robinson. **Wednesday**, 6:30 P.M., East Duke Chapel, Communion service.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Cranford Johnson, Assistant Chaplain): **Sunday**, 9:00 A.M., Seminar: *Honest to God*; light breakfast and discussion. 5:30 P.M., Common Meal and Holy Communion. The Nominating Committee for new Council members will make its report and nominations will be received from the floor. **Thursday**, 5:30 P.M., Men's Graduate Center, Social Legislation Seminar. The topic this week is "Urbanization: Problems and

Solutions." Bring your tray to the small dining room.

A Seminar on Medical ethics for nursing and medical students is scheduled to begin on **Thursday, March 12, at 7:00 P.M.**, in the Hanes House Rec Room. There will be five sessions meeting on alternate Thursdays. The seminar will be led by Dr. Harmon Smith, Assistant Professor of Christian Ethics of the Divinity School. Topics to be dealt with include "The Patient's Right to Know the Truth," "Abortion," "Contraception," "Euthanasia," and "Artificial Insemination." All medical and nursing students are invited to participate.

The Methodist Center announces its **Atlanta Seminar**. On April 1-5 (Wed.-Sun.), the last five days of spring vacation, members of the seminar will be in Atlanta considering the theme "The Church and Social Change in a Southern City." The seminar will especially concern itself with how the church is acting and/or reacting toward the problems of urbanization. The cost will be \$30 which includes return transportation and tickets to two plays. Those who are interested will please contact Cranford Johnson or Jack Carroll at 286-9230.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Saturday and Sunday, March 7-8**, Synod Conference at Camp New Hope. **Sunday, 5:30 P.M.**, Interdenominational Fellowship Supper. Afterwards attend Forum at Episcopal Center. **Friday, 7:00 P.M.**, Worship Seminar.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.**, at the home of Mr. and Mrs. John Pendergrass, 3719 Chapel Hill Road. After supper and a short business meeting, the group will go to the Episcopal Center for the Forum. Transportation leaves the Chapel steps, East Campus circle and Hanes House at 5:15 P.M. **Tuesday, 12:40 P.M.**, Luncheon at Gilbert-Addoms Dining Hall.

### THE UNIVERSITY SERVICE OF WORSHIP

The Reverend Howard C. Wilkinson, Chaplain to the University, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, March 8th, in the University Chapel.

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, March 15th is Dr. Stuart C. Henry, Associate Professor of American Christianity, The Divinity School.

### MUSIC DEPARTMENT STUDENT RECITAL

The Department of Music will present a student recital on Sunday, March 8th at 4:00 p.m. in the Music Room, East Duke Building. The University Community and the general public are cordially invited to attend. The program will be as follows:

Sonata for Trombone and Piano	R. R. Trevarthen
Allegro	
Andante	
Allegro moderato	
Ben Peck, Trombone	
John Ruggero, Piano	

Prelude and Fugue in C-Sharp Minor, W. T. C. 1	Bach
John Holt, Piano	
Concerto in B Minor	Handel
Linda Speck, Viola	
Barbara Shepherd, Piano	
Aria from "The Birthday Cantata"	Bach
Let Me Wander Not Unseen from "L'Allegro"	Handel
Let the Merry Bells Ring from "L'Allegro"	Handel
James Rivera and Carol Papps, Recorders	
Nancy Temple and Ruth Friedberg, Piano	
Che faro from "Orfeo"	Gluck
Non so pui from "Le Nozze di Figaro"	Mozart
Sally Blackwell, Mezzo-soprano	
Ruth Friedberg, Piano	
Sonata in E-Flat	Haydn
First movement: Allegro	
Barbara Watson, Piano	
Les Roses d'Ispahan	Fauré
Micaela's Aria from "Carmen"	Bizet
Karen Lundry, Soprano	
Ruth Friedberg, Piano	
Intermezzo in A, Opus 118, No. 2	Brahms
Billie Godwin, Piano	
Mi Chiamano Mimi from "La Boheme"	Puccini
Gretchen am Spinnrade	Schubert
Majorie Randolph, Soprano	
Ruth Friedberg, Piano	

### CAMPUS CHRISTIAN CENTERS LENTEN SERVICES

On each of the Sunday nights in Lent, the Campus Christian Centers are presenting a series of forums. The theme of this series is: "For the Life of the World." A Study of God's Affirmation of Human Existence. The sessions are being held at the Episcopal Student Center each Sunday night at 7:15 p.m. The nightly presentations will be followed by discussion. The three remaining topics are:

"The Incarnation and the Church: The Community Gathered for the Life of the World"

"The Incarnation and Existence: The Christian's Understanding of Himself"

"The Incarnation and Existence: The Christian in the University"

The University Community is cordially invited to participate in these forums.

### ZOOLOGY DEPARTMENT

The Zoology Department will hold its weekly seminar on Monday, March 9th, in the auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Howard B. Haines, Department of Zoology, will speak on "Diabetes in the Sand Rat." Coffee and tea will be served in the foyer at 4:00.

### POLANYI LECTURE

The last lecture in the series of five major lectures by Professor Michael Polanyi will be given on Monday evening, March 9th, at 7:30 p.m. in the Music Room, East Duke Building. Professor Polanyi is in residence during the current semester as James B. Duke distinguished professor in the Department of Religion; he is widely regarded as one of the most distinguished living philosophers of the western world. Trained in the field of medicine, he has been Professor of Physical Chemistry in England and subsequently has held distinguished posts at Princeton, University of Chicago, and at Stanford's Institute of Advanced Studies in the Behavioral Sciences. The usual Tuesday seminar will follow on March 10th at 3:30 p.m. in Room 208 Flowers Building.



### CAMPUS CLUB TEA

The Campus Club will meet for tea on Tuesday, March 10th at 3:00 p.m. at the home of Mrs. Douglas M. Knight, 2138 Campus Drive. A creative hobby display will be the special feature of this event and will include such categories as Baking: Mrs. Irving Gray; Jewelry: Mrs. S. C. Harward; Pine Needle Craft: Mrs. S. R. Hauser; Painting: Mrs. Robert Rogers; Hooked Rugs: Mrs. E. C. Bolmier; Knitting: Mrs. Paul Welsh; Crewel Embroidery: Mrs. George Glockler; Metal Craft: Mrs. H. J. Oosting; Pansy Culture: Mrs. Ralph Earle. The Departments of Law, Mathematics and Physics will serve as hostesses. Mrs. T. M. Gallie, Jr. is General Hostess Chairman and Mrs. Kenneth Cuyler is Program Chairman.

### MATHEMATICS SEMINAR

The Duke Mathematics Department will hold a seminar on Tuesday, March 10th at 4:00 p.m. in Room 114 Physics Building. Mr. Merrell L. Patrick, Carnegie Institute of Technology, will speak on "Some Inequalities for Jacobi Polynomials."

Coffee will be served at 3:30 p.m. in Room 120 Physics.

### DUKE SAILING CLUB INSTRUCTION

Instruction in sailing for beginners and intermediates is available on Tuesday, March 10th in Room 101 West Duke Building at 7:00 p.m. under the sponsorship of the Duke Sailing Club. Anyone interested is welcome to attend.

### JOINT DUKE-UNC PHILOSOPHY COLLOQUIUM

A Joint Duke-UNC Philosophy Colloquium will be held in Room 213 Caldwell Hall at the University of North Carolina at Chapel Hill on Tuesday, March 10th at 8:00 p.m. Dr. David S. Shwayder, Visiting Associate Professor from the University of California at Berkeley will speak on the subject: "On Defining Language." All members of the University Community are cordially invited.

### STUDENT UNION PRESENTS PRE-ARTISTS SERIES SEMINAR

Following the pattern of holding a seminar on the particular art form and program being performed for the Artists Series, the Student Union's Fine Arts Committee will present J. Donald McLaughlin, senior Medical student and classical guitarist, in a seminar during the hour prior to the concert on Tuesday, March 10th in Room 208 Flowers Building. These seminars, from 7:00 until 8:00 p.m., are open to the public without charge and have been found to be especially helpful in increasing the enjoyment of the concerts.

### ADVANCE NOTICE EXLIBRIS SOCIETY MEETING

The Exlibris Society, Book Collectors and Book Lovers at Duke University, will meet on Monday, March 16th, at 7:30 p.m., in the Pine Room, Schrafft's Country Inn, on the Durham-Chapel Hill Blvd. Richard L. Pearse, M.D., will speak on "Horse and Sabre—300 Years of Books on Cavalry."

### DIVINITY SCHOOL LIBRARY LECTURE

Dr. G. Henton Davies, Principal of Regent's Park College, Oxford, England, will deliver the Library Lecture on Wednesday, March 11th in York Chapel at 11:00 a.m. Dr. Davies' subject will be "Amos and Jerusalem." The public is cordially invited.

### PSYCHOLOGY COLLOQUIUM

A Psychology Colloquium will be held on Wednesday, March 11th at 4:00 p.m. in Room 130, Old Biology Building. Dr. Herbert S. Terrace of Columbia University will discuss the methods he has developed for producing the errorless learning of fine discriminations in animals. The public is cordially invited to attend.

### ARTISTS SERIES: PRESTI AND LAGOYA, GUITAR DUO

The Duke University Artists Series will present Presti and Lagoya, duo-guitarists, Tuesday, March 10th at 8:15 p.m. in Page Auditorium. Ida Presti and Alexandre Lagoya had both established themselves as solo concert artists of considerable distinction when, in 1955 they joined forces to form a guitar-duo. In the years since, Presti-Lagoya have won critical praise and fervent audience acclaim in Europe, North Africa, India and Australia. In their unique and fascinating programs Presti and Lagoya combine original works for guitar-duo with superb transcriptions ranging from Bach and Scarlatti to Albeniz and Debussy. Tickets priced at \$2.00 are available in 202A Flowers Building, or call extension 2911 for reservations.

#### Divertissement No. 1

- a) Introduction
- b) Theme Varie et Final

\*Andante Variee

\*Concerto in D Major

Allegro

Larghetto

Allegroissimo

\*Chaconne in G Major

I

*F. Sor*

*L. Van Beethoven*

*Vivaldi-Bach*

*G. F. Handel*

#### INTERMISSION

II

\*\*Serenade pour Deux Guitars

- a) Prelude et Canzona (Italie)
- b) Allegro Trepidante (Espagne)
- c) Andante Malinconico (France)
- d) Con Allegria (Amerique)

\*\*Sonatina Canonica

a) Mosso et Grazioso

b) Sicilienne

c) Fandang en Rondo

\*Danse No. 2

\*Aragonesa

\*Transcription by A. Lagoya

\*\*Dedicated to Duo Presti-Lagoya

*M. Castelnuovo-Tedesco*

*E. Granados*

*M. de Falla*

### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, March 11th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. Stewart Nielsen, Department of Microbiology will speak on "Virulence—Lipid—Dimorphism Relationships in *Histoplasma Capsulatum*."

Dr. Nielsen is at Duke as a post-doctoral NSF fellow from Ohio State. Before receiving his Ph.D. in 1964, he obtained both his B.S. and M.S. degrees from Brigham Young University. Industrial and medical mycology are his main interests, though he

has worked with fleshy fungi under Alexander Smith at Michigan and served as a mycological consultant in the Ohio State Allergy Laboratory.

Refreshments will be served in the foyer at 4:00 p.m.

### ENGINEERING REVIEW LECTURES

Pi Tan Sigma, mechanical engineering national honor society, presents the fourth in a series of review lectures on Wednesday, March 11th at 7:00 p.m. in Room 139, Engineering Building. Mr. F. C. Sheppard will speak on the topic, "Statics—Strength." The lectures review engineering fundamentals for those persons preparing for the Engineer-in-Training examination to be given in May by the State of North Carolina. Review lectures are scheduled on successive Wednesday nights at 7:00 p.m. in the Engineering Auditorium and are open to the public.

### ENGINEERING LECTURE

The Department of Engineering presents another in its "Guest Speakers Program" on Thursday, March 12th at 11:30 a.m. in Room 125 Engineering Building. Mr. F. D. Rosi, Associate Laboratory Director, RCA Laboratories, David Sarnoff Research Center, Princeton, New Jersey, will speak on "Direct Energy Conversion by Thermoelectric, Thermionic, and Photovoltaic Techniques." The public is cordially invited to attend.

### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar on Thursday, March 12th at 4:00 p.m. in Room M-204 Davison Building. Dr. Rubin Bressler, Department of Medicine, will speak on "The Role of Carnitine in Fatty Acid Transport."

### NEREIDIAN CLUB SHOW

The Nereidian Club Show will be held on the evenings of Thursday, March 12th and Saturday, March 14th, at 8:15 p.m. in the East Campus Pool. The theme for the show is "Timesweep," depicting the major periods in American history. Free tickets will be available at the Woman's College Gym office. The public is cordially invited to attend.

### CHEMISTRY SEMINAR

The Department of Chemistry will hold a seminar on Friday, March 13th in Room 01 of the Chemistry Building at 4:00 p.m. Dr. D. S. Breslow, Research Associate, Central Research Division, Hercules Powder Company, will speak on "The Chemistry of Nitrenes." All interested persons are cordially invited to attend.

### DUKE REGIONAL ASSEMBLY

Duke University, in cooperation with the American Assembly, will hold a Regional Assembly on campus, March 12th through 15th. Some seventy participants in panel and general sessions will meet for three and a half days to discuss the topic, "Cultural Affairs and Foreign Relations." The Saturday evening general session to be held at 8:00 p.m. in the Music Room of East Duke Building, will be open

to the public. At that session, Professor C. B. Hoover, James B. Duke Professor of Economics, will speak on "Problems in the Continuance of United States Economic Aid to Underdeveloped Countries."

### UNDERGRADUATE FACULTY COUNCIL MARCH MEETING: CANCELLED

The March 12th meeting of the Undergraduate Faculty Council has been cancelled. The next meeting is scheduled for Thursday, April 9th.

### DUKE SYMPHONY ORCHESTRA CONCERT LOREN WITHERS, SOLOIST

The Department of Music will present a concert by the Duke Symphony Orchestra, Allan Bone, conductor, on Thursday, March 12th at 8:15 p.m. in Page Auditorium. A reception will be held in Flowers Lounge immediately following the program. Featured will be Loren Withers of the Duke Department of Music as piano soloist. Also programmed are two works by Duke alumni, Phillip Rhodes, '62 and Richard Trevarthen, '55. Mr. Rhodes studied Theory and Composition under William Klenz of the Duke Music Department and Iain Hamilton, Mary Duke Biddle Professor of Music. His "Four Movements for Chamber Orchestra" was written at Tanglewood in the summer of 1962, where it received the Raphael Sagalyn Award. He is currently pursuing the Master's degree in Theory at Yale University. Mr. Trevarthen is also a former student of William Klenz. Upon completion of the Master's degree in Theory at the University of Michigan he taught for six years on the faculty of Western Carolina College, Cullowhee, North Carolina. Mr. Trevarthen is currently a Visiting Lecturer at Duke University and has studied Composition with Mr. Hamilton.

Admission will be \$1.00 at the door; advance sale \$.50 in Room 106 Asbury Building. The program will be as follows:

- |  |   |
|--|---|
| Polka and Fugue from "Schwanda"                                    | Weinberger  |
| Four Movements for Chamber Orchestra (1962)                        | Phillip Rhodes<br>(Class of 1962)                 |
| Serenade in Five Movements for Orchestra (1963)                    | Richard Trevarthen<br>(Visiting Lecturer 1963-64) |
| Intermission   |   |
| Concerto No. 2 in B-flat Major for<br>Piano and Orchestra, Opus 83 | Brahms  |
| Allegro non troppo   |   |
| Allegro appassionato   |   |
| Andante  |   |
| (Barbara Pepper, Solo 'Cellist)                                    |   |
| Allegretto grazioso  |   |
| Mr. Withers  |   |

### ART EXHIBITIONS

West Gallery—"Modern Religious Prints"

The Student Union's Fine Arts Committee announces the opening of a distinguished exhibition, "Modern Religious Prints," now on display in the Alumni Lounge of West Union Building. It may be seen without charge until the 22nd of March.

An exhibition of 48 prints by 32 artists and selected by Miss Elaine L. Johnson, Assistant Curator of Drawings and Prints at the Museum of Modern Art, New York; the exhibition was organized for



circulation by the Museum's Department of Circulating Exhibitions. All but two loans are from the Museum Collection.

Prints in the exhibition range in date from Bresdin's *Good Samaritan* of 1861 to Watanabe's *People Visiting the Stable* of 1962. The hundred years spanned by the prints begins with the height of naturalism and continues through such movements as impressionism, surrealism, and abstract expressionism. Included are wood-cuts, etchings, lithographs, and stencils.

### STUDENT RECITAL VIOLIN AND CHAMBER MUSIC

The Department of Music will present a recital of violin and chamber music performed by the students of Joseph Pepper on Friday, March 13th at 8:15 p.m. in the Music Room, East Duke Building. The University Community and the general public are cordially invited to attend. The program will be as follows:

Concerto for Two Violins in A Minor	Vivaldi
First movement—Allegro moderate	
Kaye Franklin	
Dorothy Barker	
accompanied by Barbara Watson	
Sonatina in D	Schubert
First movement—Allegro molto	
Dorothy Barker	
accompanied by Bonnie Brueggemann	
Air Variées, No. 1 and 2	Dancla
Marrienne Turner	
accompanied by Bonnie Brueggemann	
Concerto in E Major	Bach
First movement—Allegro	
Sue Green	
accompanied by Barbara Watson	
Sonata, Opus 12, No. 1 in D	Beethoven
First movement—Allegro con brio	
Thomas Lowe	
Bonnie Brueggemann	
Concerto in A minor	de Beriot
First movement—Allegro con brio	
Kaye Franklin	
accompanied by Barbara Watson	
String Quartet, Opus 54, No. 1	Haydn
Allegro con brio	
Allegretto	
Menuetto	
Finale	
Sue Green, first violin	
Dorothy Barker, second violin	
Linda Speck, viola	
Donald Young, cellist	

### EAST GALLERY ART EXHIBIT

Works by Edith London

The Gallery in the East Campus Library will house an exhibition of recent works by Edith London during the month of March. Mrs. London, who came to Duke in 1939 when her husband, the late Dr. Fritz London joined the University's Physics Department, is known throughout the area as an artist of uncommon ability. She has studied in her native Berlin and in Paris with the internationally esteemed artists, Marcel Gromaire and Andre Lhote. However, her art owes much to her own sensitive and thoughtful nature and to many years of perceptive seeing. Although her work is distinguished by its delicacy of color and texture, one cannot overlook the intellectual

discipline of composition and form that underlies the more sensuous aspect of her style.

The exhibition is composed of 27 items of which 15 are oils, 6, pen and ink drawings; and 6, collages. Several private collectors have loaned works for the exhibition, and the North Carolina Museum of Art has generously sent two of Mrs. London's works from its collections. The inclusion of several earlier paintings allows one to see the evolution of Mrs. London's style to the complete abstraction evident in her most recent canvases. Certainly, her increasing use of the medium of collage stands as a contributing factor to her current investigation of the evocative and associative qualities of color, form, and texture, unconfined by the limitations of recognizable subject matter. Her works invite long and increasingly enriching contemplation.

### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application at once.

### THE HARLEY AFRICAN COLLECTION

The George W. Harley African Collection is now on display on the second floor of the Psychology-Sociology Building (Old Biology) outside the Department of Sociology and Anthropology. Dr. Harley is a distinguished alumnus, formerly assistant curator of the Biology Museum at old Trinity College, and later curator of the Pathology Museum at the Yale Medical School. Much of his collection of African masks is in the Peabody Museum at Harvard, where he did post-graduate work. After a number of years of medical work in West Africa, Dr. Harley began for President Tubman the government museum of ethnology and history in Liberia. The exhibit will be on display during the spring semester.

### TRIANGLE PLAYERS ORIGINAL PLAYS

The Triangle Players will present another new short play, "The Wise and Foolish Virgin." Sunday, March 8th, Wednesday, March 11th and Sunday, March 15th at the Triangle Coffee House, 1205 Duke University Road, at 9:30 p.m. each evening. The original play by Tom Benenson of Chapel Hill will be directed by Tommy Thompson. It is described as "a situation comedy at its sophisticated best." Durham-Chapel Hill actors compose the cast.

WEEK OF  
Mar. 15-21, 1964

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Mar. 15-21, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, March 15

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Stuart C. Henry, Associate Professor of American Christianity, The Divinity School. Sermon: "Self Remembered." Broadcast over Radio Station WDNC and WDNC-FM.
- 2:00-5:00 p.m. Student Union Chess Club. Room 204 Flowers Building.
- 4:00 p.m. Concert: "A Festival of Jewish Music." Music Room, East Duke Building.

### Monday, March 16

- 4:15 p.m. Zoology Seminar. Auditorium of Biological Sciences Building. Speaker: Dr. Helen V. Crouse.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30 p.m. Ex Libris Society Meeting. Schrafft's Country Inn, Durham-Chapel Hill Boulevard.
- 8:00 p.m. The final examination of Mr. Jack P. Hailman for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, March 17

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Orval S. Wintermute.
- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:00 p.m. Mathematics Seminar. Room 114 Physics Building. Speaker: Professor William E. Jenner.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Duke Sailing Club Meeting. Speaker: Mr. Milt Ricketts. Room 101 West Duke Building.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:00 p.m. Josiah C. Trent Society Meeting. The Colonial Room, Schrafft's Country Inn. Speaker: Mr. N. Philip Strause, III.
- 8:15 p.m. Terpsichorean Concert. Woman's College Auditorium.
- 8:15 p.m. Duke Madrigal Singers Spring Program Honoring Shakespeare's Anniversary. Music Room, East Duke Building.

### Wednesday, March 18

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Orval S. Wintermute.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted  
IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later  
than 1:00 p.m., Wednesday. Extension 2911.



- 2:15 p.m. The Final Examination of Mr. Elmer F. Litzinger for the Ph.D. degree in Chemistry. Room 303 Chemistry Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-9:00 p.m. Badminton Open House. Woman's College Gymnasium. Open to all faculty, staff, and students.
- 7:30 p.m. Delta Phi Alpha, German Honorary Meeting. Room 014 Language Building. Speaker: Consul-General Dr. Horst von Rom, Federal Republic of Germany.
- 7:00 and 9:30 p.m. Quadrangle Pictures. Page Auditorium. "Long Day's Journey Into Night" by Eugene O'Neill with Katharine Hepburn, Ralph Richardson, Jason Robards, Jr., and Dean Stockwell. All four of cast received "Best Acting Awards" Cannes Film Festival. "One of the 10 best films of the year!"—Crowther, N. Y. Times; Weiler, N. Y. Times; Cook, N. Y. World Tel. & Sun.
- 8:15 p.m. Terpsichorean Concert. Woman's College Auditorium.

## Thursday, March 19

Angier B. Duke Memorial Scholarship Program (See special notice).

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. M. Elton Hendricks.
- 12:30 p.m. Newcomers' Club Guest Luncheon. Schrafft's Country Inn.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. Bernard F. Belleau.
- 4:00 p.m. Academic Council Meeting. Room 125 Engineering Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. Student Union Major Speakers Series: Dr. Harold Taylor. Page Auditorium.

## Friday, March 20

- 10:10 a.m. Presentation of "The Passion According to St. Matthew" by deVictoria. The Divinity School Choir. York Chapel, Divinity School.

- 2:00-10:00 p.m. 32nd Annual Engineers Show. Engineering Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 7:00 p.m. Student Union Pre-Artists Series Seminar. 208 Flowers Building. Speaker: Professor Paul Bryan.
- 7:30 p.m. Bowling for faculty members and families at Sportland. Regular rates apply.
- 8:15 p.m. Artists Series: Pittsburgh Symphony Orchestra. Page Auditorium.

## Saturday, March 21

- 2:00-10:00 p.m. 32nd Annual Engineer's Show. Engineering Building.
- 7:30 and 9:30 p.m. Quadrangle Pictures. Page Auditorium. "Long Day's Journey Into Night" by Eugene O'Neill with Katharine Hepburn, Ralph Richardson, Jason Robards, Jr., and Dean Stockwell. All four of cast received "Best Acting Awards" Cannes Film Festival. "One of the 10 best films of the year!"—Crowther, N. Y. Times; Weiler, N. Y. Times; Cook, N. Y. World Tel. & Sun.
- 8:15 p.m. Chamber Arts Society: Fine Arts Quartet. Music Room, East Duke Building.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Thursday**, Lunch, followed by: Dr. Michael Polanyi, James B. Duke Distinguished Professor in the Department of Religion, speaking on the topic, "Faith and Reason"—Sponsored by the Campus Christian Centers. Register for the luncheon by Tuesday at 5:00 P.M. by calling the Chapel office, extension 2921. **Friday**, 6:15 P.M., Supper, followed by Worship and Seminars.

**CHRISTIAN SCIENCE ORGANIZATION**: **Tuesday**, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday**, 9:30 A.M., Holy Communion; 7:15 P.M., Lenten Ecumenical Forum. **Tuesday**, 5:15 P.M., Inquirer's Class. **Wednesday**, 7:10 A.M., Holy Communion. **Thursday**, 5:30 P.M., Holy Communion. **Friday**, 7:10 A.M., Holy Communion; 4:00 P.M., Seminar on Christianity and Modern Man.

Voting for elected members of the Episcopal University Center Council will be held on **Sunday**, March 22, following the 9:30 service.

Please note the shift of the mid-week service from Wednesday to Thursday.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, 7:15 P.M., Forum at Episcopal Center. **Tuesday**, 5:30 P.M., Men's Graduate Center, Supper, followed by discussion of **Honest to God**.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 9:00 A.M., Semiuar—Honest to God;** Light breakfast preceding the discussion. 6:00 P.M., Evening Prayer.

The Methodist Lenten **Atlanta Seminar** on "The Church and Social Change in a Southern City" will be held in Atlanta, Georgia, on April 1-5 (Wednesday-Sunday). The Seminar will be concerned to understand the major areas of social problems and change in Atlanta and to find out how the Church is acting or not acting in relation to these problems. The cost of the Semiuar is \$30.00, which includes room, breakfast, three play tickets, and return transportation. Any person interested should contact Cranford Johnson or Jack Carroll at the Center (286-9230) immediately.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 5:30 P.M.,** Interdenominational Supper and Vesper Service at Westminster House, followed by program at Episcopal Center. **Friday, 7:00 P.M.,** Worship Seminar at Westminster House.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.,** home of Dr. and Mrs. Richard Grant, 2509 Wrightwood Avenue. After supper, Dr. Grant will speak on, "The Christian Concept of Romantic Love." Transportation leaves the Chapel steps, East Campus circle and Hanes House at 5:15 P.M. **Thursday, 12:40 P.M.,** Luncheon at Gilbert-Addoms Dining Hall on East.

#### THE UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Stuart C. Henry, Associate Professor of American Christianity, The Divinity School, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, March 15th, in the University Chapel. His subject will be "Self Remembered." The order of worship follows:

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, Palm Sunday, March 22nd, is the Reverend Dr. George MacLeod, Founder and Director, Iona Community, Scotland.

#### A FESTIVAL OF JEWISH MUSIC

The Judea Reform Congregation presents in conjunction with National Jewish Music Month, "A Festival of Jewish Music," to be held at 4:00 p.m., Sunday, March 15th in the Music Room, East Duke Building. Featured will be works by Bloch, Ravel, Ben Haim, Diamond, and Partos, played by outstanding local musicians: Julia Mueller, violist; John Hanks, tenor; Ruth Friedberg, pianist; Isabel Samfield, soprano; Peter Hellman, flutist; and Frank Bennett, percussionist. There will be no admission charge for the program, and the public is cordially invited.

#### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, March 16th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Helen V. Crouse, Department of Botany, Columbia University, will speak on "Novel Chromosomal Be-

havior as Exemplified by the Developmental Cytology of *Sciara*." Coffee and tea will be served in the foyer at 4:00.

#### EX LIBRIS SOCIETY MEETING

The Ex Libris Society—Book Collectors and Book-lovers of Duke University—will meet on Monday, March 16th at 7:30 p.m. in the Pine Room, Schrafft's Country Inn on the Durham-Chapel Hill Boulevard. Richard L. Pearse, MD will speak on the topic, "Horse and Sabre—300 Years of Books on Cavalry."

#### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Jack P. Hailman for the Ph.D. degree in Zoology will be held on Monday, March 16th at 8:00 p.m. in Room 225 Biological Sciences Building. The subject of Mr. Hailman's dissertation is "The Ontogeny of An Instinct." The committee to conduct the examination consists of Professors P. H. Klopfer, K. Schmidt-Nielsen, J. R. Gregg, N. Guttman, minor; D. Adams, minor. Professor Klopfer will preside.

#### MATHEMATICS SEMINAR

On Tuesday, March 17th, at 4:00 p.m., Professor William E. Jenner of the University of North Carolina will give a lecture entitled "A New Look at Elliptic Functions," in Room 114 Physics Building. Coffee will be served at 3:30 p.m. in Room 120 Physics Building.

#### JOSIAH C. TRENT SOCIETY LECTURE

The Josiah C. Trent Society for the History of Medicine will meet at Schrafft's Country Inn, the Colonial Room, on Tuesday, March 17th at 8:00 p.m. Mr. N. Philip Strause III will address the Society on "Medicine of the Ancient Maya." The talk will be followed by the sale at auction of a small number of old medical books.

#### TERPSICHOREAN CONCERT

Terpsichorean, the modern dance club, will present its annual Spring Concert on Tuesday and Wednesday, March 17th and 18th at 8:15 p.m. in the Woman's College Auditorium. The program will feature dance-readings from the works by contemporary writers: Archibald MacLeish, E. E. Cummings, and Jean Paul Sartre. Also included in the program will be dances to North Carolina folk songs in "Lost Cove Colony, North Carolina," variations on the theme of "The Modern Arts and Dance," and exchange dances from the North Carolina College Dance Group. No admission will be charged, and the Duke University Community and the general public is cordially invited to attend.

#### DUKE MADRIGAL SINGERS IN SHAKESPEARE PROGRAM

The Department of Music announces a spring program of music to honor the four-hundredth anniversary of Shakespeare's birth to be presented by the Duke Madrigal Singers on Tuesday, March 17th at 8:15 p.m. in the Music Room, East Duke Building.



Consisting principally of texts and settings from the time of the bard, the program will contain madrigals, ballets, music for recorders, canzonets and rounds. Nancy Temple, soprano, and Ronald Steed, baritone, will sing ayres to the harpsichord. Music of such Elizabethan masters as Morley, Byrd, Gibbons, Weelkes, Ravenscroft, Tomkins, Bennett, Campian and Wilbye will be performed by the fifteen mixed voices singing both as a group and in smaller ensembles as well. The program will be directed by Eugenia Saville, Associate Professor in the Music Department. The accompanist will be Frank Jordan. The program is open to the public without charge, and the University Community and general public are cordially invited to attend. The program will be as follows:

madrigals and ballets	
About the maypole (verses ascribed to Michael Drayton)	Thomas Morley
Say, gentle nymph	Morley
Spring returns	Luca Marenzio
This sweet and merry month of May (verses ascribed to Thomas Watson)	William Byrd
ayres, soprano with harpsichord	
It was a lover and his lass	Morley
The cypress curtain of the night (poem by the composer)	Thomas Campian
Will ye buy a fine dog? (verses by Sir John Hoskins)	Morley
Nancy Temple	
music for recorders	
Shepherd's pipe	Thomas Morley
May Bates, Carol Papps	
madrigals, ensemble	
Ah, dear heart (poem by John Donne)	Orlando Gibbons
Lady, your eye my love enforced	Thomas Weelkes
The silver swan	Gibbons
Alice Williams, Ann Cartwright, Polly Bower, Frank Bennett, Don Bell, Michael Menne, Ron Steed	
canzonets to two voices	
I go before, my darling	
In nets of golden wires	Morley
May Bates, Ann Cartwright	
songs, baritone with harpsichord	
When icicles hang by the wall	Ralph Vaughan-Williams
Orpheus with his lute	Ralph Vaughan-Williams
(texts by Shakespeare)	
Ron Steed	
rounds	
New oysters!	Thomas Ravenscroft
Hey boy ho boy, news!	Anonymous
Hey, ho, to the greenwood now let us go	William Byrd
Sumer is ieuemen in	Anonymous
madrigals	
Oyez! has any found a lad?	Thomas Tomkins
Weep, O mine eyes	John Bennett
Sweet honey-sucking bees	John Wilbye
All creatures now are merry-minded (from "The Triumphs of Oriana")	Bennett
The Duke Madrigal Singers Roster, Spring 1964	
Sopranos: May Bates, Ann Cartwright, Nancy Temple, Alice Williams	
Altos: Polly Bower, Emily Hespenheide, Mardi Jacobsen	
Tenors: Don Bell, Frank Bennett, Thad Dankel, Frank Glass	
Basses: Jerry Johnson, Tom Lowe, Mike Menne, Ron Steed	

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Elmer F. Litzinger for the Ph.D. degree in Chemistry will be held on Wednesday, March 18th at 2:15 p.m. in Room 303 Chemistry Building. The subject of Mr. Litzinger's

dissertation is "The Synthesis of Some Indolizinium Salts." The committee to conduct the examination consists of Professors C. K. Bradsher, Pelham Wilder, C. R. Hauser, Frances Brown, and Robert W. Wheat, minor. Professor C. K. Bradsher will preside.

### NEWCOMERS' CLUB GUEST LUNCHEON

The Newcomers' Club will hold a Guest Luncheon on Thursday, March 19th at 12:30 p.m. at Schrafft's Country Inn. Entertainment will be a fashion show sponsored by Joseph Bernard's. Members are urged to come and to bring a guest.

### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar on Thursday, March 19th, at 4:00 p.m. in Room M-204 Davison Building. Dr. Bernard F. Belleau, Professor of Biochemistry, University of Ottawa, Canada will speak on "The Pharmacological Plurality vs. the Chemical Singleness of Adrenergic Receptors."

### ACADEMIC COUNCIL MEETING

Because of the Spring Recess, the Academic Council will meet one week early, on Thursday, March 19th at 4:00 p.m. in Room 125 Engineering Building. The Agenda will include the following items:

1. Action on the motion concerning the AAU Statement on Tenure which was held over from the February meeting.
2. Discussion of certain non-faculty salaries at Duke, led by Dr. Henry McIntosh, Dr. J. D. Johnston, Jr., and Dean H. W. Lewis.

If unable to attend, members should give notice to the secretary at extension 2214.

### STUDENT UNION MAJOR SPEAKER SERIES DR. HAROLD TAYLOR

The Student Union will present Dr. Harold Taylor as the fourth speaker in its Major Speakers Series on Thursday, March 19th, at 8:15 p.m. in Page Auditorium. Dr. Taylor's address on "The World of the American Student" is open to the public without charge. The finalists for the Angier B. Duke Memorial Scholarships and their hosts will be the special guests of the evening and both they and the public are cordially invited to a reception following the address in Flowers Lounge.

Dr. Taylor is one of America's most brilliant and progressive educators. As President of Sarah Lawrence College, he pioneered new scholastic methods for fourteen years, and resigned only recently to devote himself entirely to teaching and writing. He has just completed a tour of Europe and Asia, under the sponsorship of the Ford Foundation, where he conferred with educators, artists, political leaders, and students about problems of modern society.

Dr. Taylor is a dynamic and lucid spokesman for education. He has a profound understanding of the creative process, its significance in daily life, and its importance to the cultural problems of our time.

## ANGIER B. DUKE FINALISTS MEETING

The Seventeenth Annual Finalists Meeting for the Angier B. Duke Memorial Scholarships available to students from North and South Carolina is being held on the campus on Thursday and Friday, March 19th and 20th. Contestants for the Scholarships from the Virginia, Maryland, and the District of Columbia Regions, will also be in attendance for the week-end.

The contestants will take part in a program of seminars and interviews to determine the Scholarship winners. In addition to the program of selection, the contestants and their Duke student sponsors will be entertained at a luncheon and two dinners given in their honor. Both evening events scheduled for Page Auditorium are open to the public. The program is as follows:

Thursday, March 19th

Morning Period of informal visits to classes, laboratories, and tours of the campus.

12:00 noon Contestants Luncheon: Private Dining Room, 2nd Floor, Union Building, East Campus.

1:45 p.m. Faculty Seminars

3:30 p.m. Student Union Seminar: Dr. Harold Taylor. Topic: "What is Culture?" Room 208 Flowers Building.

6:15 p.m. Banquet with Student Union as co-hosts with Angier B. Duke Scholarship Committee

8:15 p.m. Student Union Major Speakers Address: Dr. Harold Taylor. Topic: "The World of the American Student."

9:30 p.m. S. U. Reception. Flowers Lounge.

Friday, March 20th

Morning Individual Interviews with Faculty Judges.

2:00-5:00 p.m. Selection Committee Interviews

6:15 p.m. Banquet. Union Ballroom

8:15 p.m. Concert: Artists Series: Pittsburgh Symphony Orchestra, Special guests: Angier B. Duke Finalists, hosts and guests.

Saturday, March 21st

Finalists informed of scholarship selections at home by telegram.

## 32ND ANNUAL ENGINEERS SHOW

The College of Engineering will conduct its 32nd Annual Engineers Show on Friday and Saturday, March 20th and 21st at the Engineering Building on the West Campus from 2:00 to 10:00 p.m. on both days. There is no admission charge.

The theme of this year's show is "Engineering Shapes Tomorrow," and will feature projects, demonstrations and exhibits in every aspect of modern engineering. It will attempt to present the many future technological problems that a practicing engineer might encounter, and show some of the means of meeting and solving those problems.

## DIVINITY SCHOOL CHOIR PRESENTS LENTEN SERVICE

At a special Lenten service, the Divinity School Choir, under the direction of Professor John Hanks, will present "The Passion According to St. Matthew," by Thomas L. deVictoria, in York Chapel, The Divinity School, at 10:10 a.m., Friday, March 20th.

Divinity School students taking solo parts are Thomas Danek, Charles Smith, W. C. Harris, Thomas Cassidy, Richard Heitzenrater, and Thomas Daily. Miss Helen Kendall is the Chapel organist. The Uni-

versity Community and the general public are cordially invited.

## ARTISTS SERIES PRESENTS PITTSBURGH SYMPHONY ORCHESTRA

The Duke University Artists Series will present the Pittsburgh Symphony Orchestra in a concert in Page Auditorium on Friday, March 20th at 8:15 p.m. Standing room only is available in 202A Flowers Building. (extension 2911)

The Student Union will again hold a Pre-Artists Series Seminar with Professor Paul Bryan, of the Department of Music, as speaker. The seminar is open to the public without charge in Room 208 Flowers Building at 7:00 p.m. immediately prior to the concert.

Founded in 1895, the orchestra earned its fame under such conductors as Victor Herbert, Otto Klemperer, and Fritz Reiner. Under the baton of William Steinberg since 1952, the orchestra has grown to an exciting musical force whose reputation is now world-wide. Its concerts feature the great conductors and soloists of our time and the orchestra's recordings on Command Classics have been widely acclaimed.

### PROGRAM

SCHUBERT  
BRAHMS

Overture to "Rosamunde"  
Symphony No. 4, in e minor, Opus 98

Allegro non troppo  
Andante moderato  
Allegro giocoso  
Allegro energico e passionato

### INTERMISSION

GUNTHER SCHULLER

Seven Studies on Themes of  
Paul Klee

Antique Harmonies  
Abstract Trio  
Little Blue Devil  
Twittering Machine  
Arab Village  
An Eerie Moment  
Pastorale

RICHARD STRAUSS

Salome's Dance of the Seven Veils

## CHAMBER ARTS SOCIETY FINE ARTS QUARTET

The Chamber Arts Society will present the fifth concert of its season, to be played by the Fine Arts Quartet ("Artists-in Residence, The University of Wisconsin-Milwaukee") on Saturday, March 21st at 8:15 p.m. in the Music Room, East Duke Building. The musicians are Leonard Sorkin and Abram Loft (Violins), Gerald Stanick (Viola) and George Sopkin (Cello). The program follows:

Prokofieff  
Mendelssohn  
Mozart

Quartet No. 1 in D major, Opus 50  
Quartet in D major, Opus 44, No. 1  
Quartet in E flat major, K. 428

Announcement is also made of the final concert of this season to be given Saturday, April 11th by the New York String Sextet.

Admission:

The annual membership card admits to all concerts. A guest card for a single admission to any one concert costs \$2.50. About 60 guest cards are available for each concert; they may be obtained at the Music Room door from 7:30 to 8:00 p.m. on concert evenings. Inquiries may be addressed to Chamber Arts Society, c/o Ernest W. Nelsen, Box 6065, College Station.



## 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application at once.

## ART EXHIBITIONS

West Gallery—"Modern Religious Prints"

The Student Union's Fine Arts Committee announces the opening of a distinguished exhibition, "Modern Religious Prints," now on display in the Alumni Lounge of West Union Building. It may be seen without charge until the 22nd of March.

An exhibition of 48 prints by 32 artists and selected by Miss Elaine L. Johnson, Assistant Curator of Drawings and Prints at the Museum of Modern Art, New York; the exhibition was organized for circulation by the Museum's Department of Circulating Exhibitions. All but two loans are from the Museum Collection.

Prints in the exhibition range in date from Bresdin's *Good Samaritan* of 1861 to Watanabe's *People Visiting the Stable* of 1962. The hundred years spanned by the prints begins with the height of naturalism and continues through such movements as impressionism, surrealism, and abstract expressionism. Included are wood-cuts, etchings, lithographs, and stencils.

## EAST GALLERY ART EXHIBIT

Works by Edith London

The Gallery in the East Campus Library will house an exhibition of recent works by Edith London during the month of March. Mrs. London, who came to Duke in 1939 when her husband, the late Dr. Fritz London joined the University's Physics Department, is known throughout the area as an artist of uncommon ability. She has studied in her native Berlin and in Paris with the internationally esteemed artists, Marcel Gromaire and Andre Lhote. However, her art owes much to her own sensitive and thoughtful nature and to many years of perceptive seeing. Although her work is distinguished by its delicacy of color and texture, one cannot overlook the intellectual discipline of composition and form that underlies the more sensuous aspect of her style.

The exhibition is composed of 27 items of which 15 are oils, 6, pen and ink drawings; and 6, collages. Several private collectors have loaned works for the

exhibition, and the North Carolina Museum of Art has generously sent two of Mrs. London's works from its collections. The inclusion of several earlier paintings allows one to see the evolution of Mrs. London's style to the complete abstraction evident in her most recent canvases. Certainly, her increasing use of the medium of collage stands as a contributing factor to her current investigation of the evocative and associative qualities of color, form, and texture, unconfined by the limitations of recognizable subject matter. Her works invite long and increasingly enriching contemplation.

## FRIEDRICH HEBBEL EXHIBIT

The Department of Germanic Languages in conjunction with the Department of English (Speech and Drama) announce a current exhibit on the life and work of the German dramatist and poet Friedrich Hebbel (1813-1863) in the Current Periodical Room of the Woman's College Library. The exhibit is on loan from the Grasses Haus, Municipal Theater, Frankfurt, Germany, and will be on display from March 10th through March 31st.

## FACULTY CLUB LUNCHEON POSTPONED

The Faculty Club Luncheon has been postponed to Wednesday, March 25th at 12:30 p.m. in the Union Ballroom.

## TRIANGLE PLAYERS

The final performance of "The Wise and Foolish Virgin," by Tom Benenson, University of North Carolina, will be given Sunday, March 15th at 9:30 p.m. at the Triangle Coffee House, 1205 Duke University Rd.

## ADVANCE NOTICE MUSIC FOR ORGAN AND STRINGS

The Duke University Department of Music presents Music for Organ and Strings, with Mildred L. Hendrix, Organist and Allan Bone, Conductor, on Palm Sunday, March 22nd at 4:00 p.m. in the Duke University Chapel. The public is cordially invited to attend.

## ADVANCE NOTICE PASSOVER OBSERVANCE

Those desiring to join a Jewish family for the traditional Passover Sedar on Friday, March 27th or Saturday, March 28th, should call Mrs. Leon Dworsky at 681-6294 by Wednesday, March 18th. Services will be held at Beth-El Congregation (Watts St. and Markham Ave.) on March 27th at 6:30 p.m., on March 28th at 9:00 a.m. and 6:30 p.m., and on March 29th at 9:00 a.m.

## ADVANCE NOTICE COMPARATIVE LITERATURE LECTURE

The Department of Germanic Languages and the University's Program in Comparative Literature announce a lecture on Monday, March 23rd at 4:00 p.m. in 208 Flowers Building. Professor Haskell M. Block, Professor of Comparative Literature at Brooklyn College, Brooklyn, New York, will speak on "The Impact of French Symbolism on Modern American Poetry."

WEEK OF

Mar. 22-28, 1964

WEEK OF

Mar. 22-28, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, March 22

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. Palm Sunday. University Service of Worship. University Chapel. Preacher: The Reverend Dr. George F. MacLeod, Founder and Leader, The Iona Community, Scotland. Sermon: "The Kingship of Christ." Broadcast over Radio Station WDNC and WDNC-FM.

2:00-5:00 p.m. Student Union Chess Club. Room 204 Flowers Building.

4:00 p.m. Palm Sunday Concert: "Music for Organ and Strings." University Chapel.

### Monday, March 23

12:00 noon Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. John Billingham.

4:00 p.m. Economics Seminar. Room 101 Gray Building. Speaker: Professor Abba P. Lerner.

4:00 p.m. Comparative Literature Lecture. Room 208 Flowers Building. Speaker: Professor Haskell M. Block.

4:00 p.m. Sanitary Engineering Lecture. Room 125 Engineering Building. Speaker: Dr. Kenneth J. Ives.

4:15 p.m. Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Mr. John S. Roberts.

5:00 p.m. Faculty Club Volleyball Movies. Room 104 Card Gymnasium.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30 p.m. Faculty Volleyball. Indoor Stadium.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, March 24

10:10 a.m. Divinity School Chapel. York Chapel. Dr. Stuart C. Henry.

11:30 a.m. Engineering Guest Speaker Program. Auditorium, Engineering Building. Speaker: Mr. R. S. Sherwood.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball.

2:00 p.m. Committee on International Relations Lecture. 105 Carr Building. Speaker: Mr. K. G. V. Krishna.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:45 p.m. International Club Meeting. Men's Graduate Center. Speaker: Dr. Robert Crane.

6:30 p.m. Kappa Delta Pi Initiation. Green Room, East Duke Building.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 7:30 p.m. Duke Outing Club Meeting for Monongahela National Forest Trip. Room 204 Flowers Building.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:00 p.m. Erasmus Club Meeting. Room 403, Dey Hall. University of North Carolina. Speaker: Professor Holger O. Nygard.
- 8:00 p.m. Joint Duke-U.N.C. Physics Colloquium. Room 114 Physics Building. Speaker: Dr. Per-Olov Lowdin.
- 8:15 p.m. Music Department "An Evening With Iain Hamilton." Music Room, East Duke Building.

## Wednesday, March 25

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Stuart C. Henry.
- 11:00 a.m. Divinity School Lecture. York Chapel. Speaker: The Reverend John H. Crum.
- 12:30 p.m. Faculty Club Luncheon. Union Ballroom. Speaker: Dr. Michael Polanyi.
- 4:00 p.m. Engineering Faculty Council Meeting. Conference Room, Engineering Building.
- 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Darell McCloud.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-9:00 p.m. Badminton Open House. Woman's College Gymnasium. Open to all faculty, staff, and students.
- 7:00 and 9:30 p.m. Quadrangle Pictures. Page Auditorium. "Long Day's Journey Into Night" by Eugene O'Neill with Katharine Hepburn, Ralph Richardson, Jason Robards, Jr., and Dean Stockwell. All four of cast received "Best Acting Awards" Cannes Film Festival. "One of the 10 best films of the year!"—Crowther, N. Y. Times; Weiler, N. Y. Times; Cook, N. Y. World Tel. & Sun.
- 7:00 p.m. Student Union Duplicate Bridge Club Meeting. Green Room, East Duke Building.
- 8:15 p.m. Forestry Lecture. Biological Sciences Building Auditorium. Speaker: Dr. G. L. Barger.

## Thursday, March 26

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Dr. Stuart C. Henry, Celebrant.
- 12:30 p.m. Spring Recess Begins.
- 2:00 p.m. The final examination of Miss Betty McCarthy Richardson for the Ph.D. degree in Physics. Room 218 Physics Building.

- 2:15 p.m. The final examination of Mr. Russell James Hutnik for the Ph.D. degree in Forestry. Room 109 Biological Sciences Building.

## Saturday, March 28

PLEASE NOTE: Quadrangle Pictures will be closed.

### DENOMINATIONAL ANNOUNCEMENTS

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., Music Room in East Duke Building (this week only). All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): Sunday, 9:30 A.M., Holy Communion and distribution of palms; 7:15 P.M., Lenten Ecumenical Forum. Monday, 7:10 A.M., Holy Communion. Tuesday, 7:10 A.M., Holy Communion; 5:15 P.M., Inquirer's Class. Wednesday, 7:10 A.M., Holy Communion. Maundy Thursday, 7:10 A.M., Holy Communion. Easter Even (Saturday), 5:00 P.M., Lighting of the Paschal Candle.

There will be an Easter Celebration of Holy Communion at 11:00 P.M. on Saturday. All members of the University are cordially invited to attend.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): Sunday, 7:15 P.M., Forum at Episcopal Center. Monday, 5:45 P.M., Ivy Room, Supper Meeting followed by discussion of *Honest to God* by John A. T. Robinson. Wednesday, 6:30 P.M., East Duke Chapel, Communion Service.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): Sunday, 9:00 A.M., Seminar: *Honest to God*—Light breakfast, followed by discussion. 6:00 P.M., Evening Prayer.

The Methodist Lenten Atlanta Seminar on "The Church and Social Change in a Southern City" will be held in Atlanta, Georgia, on April 1-5 (Wed.-Sunday). The Seminar will be concerned to understand the major areas of social problems and change in Atlanta and to find out how the Church is acting or not acting in relation to these problems. The cost of the Seminar is \$30.00, which includes room, breakfasts, three play tickets, and return transportation. Any person interested should contact Cranford Johnson or Jack Carroll at the Center (286-9230) immediately.

On Sunday, April 12, at 8:30 A.M., Dr. Richard Shaull, of Princeton Theological Seminary and Brazil, will speak and lead a discussion at the Methodist Center on "The Christian in a 'World Come of Age.'" Breakfast will be served at 8:30 A.M. Cost will be 50¢. Those interested in participating should call ext. 2909 or 2921 to make reservations by Thursday, April 9, or sign the list posted at the Methodist Center.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): Sunday, 5:30 P.M., Interdenominational Fellowship Supper and Vespers. Afterwards, attend Lenten Forum at Episcopal Center.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): Sunday, 9:30 A.M.-4:00 P.M., Spring Retreat at Camp New Hope. Transportation will leave from the Chapel steps and the

East Campus circle at 9:00 A.M. (No luncheon this Thursday).

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. George F. MacLeod, Founder and Leader, The Iona Community, Scotland, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, March 22nd, in the University Chapel. His subject will be "The Kingship of Christ." The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson,  
Chaplain to the University.  
Lector: Dr. Harold W. Lewis, Dean of Arts and Sciences,  
Vice-Provost, Professor of Physics  
Opening Organ and Brass Choir Voluntary  
Chorale—"All Glory Be to God on High" *Bach*  
Processional—"Entrata Festiva" *Flor Peeters*  
Hymn of Adoration—"Hosanna, Loud Hosanna" *Gesangbuch der Herzogl*  
Prayers of Confession and For Pardon  
Words of Assurance  
The Lord's Prayer  
Anthem—"Humbly Kneel We Before Thee" *Mozart*  
Scripture Lesson—John 19:17-22  
Hymn—"All Glory, Laud, and Honor" *Melchior Teschner*  
Call to Prayer  
Prayer of Thanksgiving  
Prayers of Intercession and Petition  
The Offering  
Offertory Organ Interlude  
Anthem—"Blessed Are The Men Who Fear Him"  
from *Elijah* *Mendelssohn*  
Response—The Doxology  
Prayer of Dedication  
Sermon—"The Kingship of Christ"  
Prayer  
Benediction  
Choral Response—"Amen" *James Young*  
The Chimes  
Closing Organ Voluntary—Toccata on "O Filii et Filiae"  
*Farnum*

Next Sunday, March 29th falls within the Spring academic recess. Therefore, the regular University Service of Worship will not be conducted on this Sunday.

### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar on Monday, March 23rd at 12:00 noon in Room M-204 Davison Building. Dr. John Billingham, Chief, Environmental Physiology Branch, Manned Spacecraft Center, Houston, Texas will speak on the subject: "Some Physiological Problems in the Space Environment."

### SANITARY ENGINEERING LECTURE

On Monday, March 23rd at 4:00 p.m. in Room 125 of the Auditorium of the Engineering Building, Dr. Kenneth J. Ives, Reader, Department of Civil Engineering, University College, London, will speak on the subject: "The Water Supply for the City of London." Dr. Ives is currently Visiting Associate Professor of Sanitary Engineering in the Department of Environmental Sciences and Engineering and Visiting Foreign Research Science Fellow of the National Sciences Foundation at the University of North Carolina, Chapel Hill.

### PALM SUNDAY CONCERT "MUSIC FOR ORGAN AND STRINGS"

The Department of Music will present "Music for Organ and Strings" on Palm Sunday afternoon, March 22nd at 4:00 p.m. in the University Chapel. Allan Bone will conduct the group with Mildred L. Hendrix as organist, and with selected string players from the Duke Symphony Orchestra. The University Community and the general public are cordially invited to attend. The program will be as follows:

Concerto No. 5 in F Major for  
Organ and Orchestra, Opus 4, No. 5 *Handel*  
Larghetto  
Allegro  
Alla Siciliana  
Presto  
Sonatas for Organ and Strings *Mozart*  
No. 4 in D Major, (K. 144) Allegro  
No. 1 in E-flat Major, (K. 67) Andante  
No. 9 in F Major, (K. 244) Allegro  
Adagio and Rondo for Organ and Strings *Mozart*  
(originally written for the Glass Harmonica)  
Concerto No. 1 for Organ and Orchestra *Handel*  
Andante  
Concerto in G Minor for Organ, Strings and Timpani *Poulenc*  
Andante—Allegro giocoso  
Andante moderato  
Allegro (molto agitato)—Largo

### ECONOMICS SEMINAR

The Economics Seminar will meet Monday, March 23rd at 4:00 p.m. in 101 Gray Building. Professor Abba P. Lerner of Michigan State University will discuss "Freedom From Gold."

### COMPARATIVE LITERATURE LECTURE

The Department of Germanic Languages and the University's Program in Comparative Literature announce a lecture on Monday, March 23rd at 4:00 p.m. in 208 Flowers Building. Professor Haskell M. Block, Professor of Comparative Literature at Brooklyn College, Brooklyn, New York, will speak on "The Impact of French Symbolism on Modern American Poetry."

### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, March 23rd, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Mr. John S. Roberts, Department of Zoology, will speak on "Renal Non-Function: Its Correlation with Renal Nonstructure." Coffee and tea will be served in the foyer at 4:00.

### COLLEGE OF ENGINEERING GUEST SPEAKER PROGRAM

The College of Engineering Guest Speaker Program will present Mr. R. S. Sherwood, Tuesday, March 24th, at 11:30 a.m. in the Auditorium of the Engineering Building. Mr. Sherwood, Manager of Engineering, Gleason Works, Rochester, New York, will speak on the subject: "The Project Engineer—A Civil, A Mechanical, or Should He Be An Electrical?"



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### COMMITTEE ON INTERNATIONAL RELATIONS LECTURE

Mr. K. G. V. Krishna will speak on "Economic Aspects of Closer Union in East Africa" in Room 105 of Carr Building at 2:00 p.m. on Tuesday, March 24th. Mr. Krishna holds the position of Lecturer in the Department of Economics of the Royal College in Nairobi, Kenya, and is serving this year as a visiting professor at Syracuse University. His address is being sponsored by the Duke University Committee on International Relations. All interested students and faculty members are cordially invited to attend.

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### INTERNATIONAL CLUB MEETING

The International Club will have a dinner-discussion meeting on Tuesday, March 24th at 5:45 p.m. in the Men's Graduate Center, Dining Hall A. Dr. Robert Crane, Professor of History, will speak on "Indo-American Relations: A Case Study in International Communications." His talk will begin at 6:30 p.m.

All interested persons are welcome, either before or after dinner.

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### KAPPA DELTA PI INITIATION

The mid-year initiation ceremonies to membership in Kappa Delta Pi, honor society in Education, will be held on Tuesday, March 24th at 6:30 p.m. in the Green Room of East Duke Building. Mrs. Hazel Harris, president, is in charge of the ceremonies, with Herschel Peddicord in general charge of the program.

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### ERASMUS CLUB MEETING

The Erasmus Club announces a joint meeting with the Philological Club of the University of North Carolina at Chapel Hill. This meeting will be held on the UNC campus on Tuesday, April 7th at 8:00 p.m. in Room 403 of Dey Hall, located opposite the library. Professor Holger O. Nygard of the English Department will be the speaker and will address the joint group on "Ballad, Folkevis, Chanson Populaire." Everyone is cordially invited to attend.

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### JOINT DUKE-UNC PHYSICS COLLOQUIUM

The Joint Duke-U.N.C. Physics Colloquium will meet Tuesday, March 24th at 8:00 p.m. in Room 114 Physics Building. The speaker will be Dr. Per-Olov Lowdin, Professor of Physics at the University of Florida and the University of Uppsala, Uppsala, Sweden. The topic is to be "Some Aspects of Quantum Genetics and the Biological Problems of Mutations, Aging, and the Occurrence of Tumors."

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### MUSIC DEPARTMENT PRESENTS AN EVENING WITH IAIN HAMILTON

The Department of Music is pleased to present the fourth in the series of "Five Evenings With Iain Hamilton" on Tuesday, March 24th at 8:15 p.m. in the Music Room, East Duke Building. Entitled "A Benjamin Britten Evening," the program will feature

performances of Britten's *Michelangelo Sonnets* by John Hanks, tenor, and Ruth Friedberg, pianist, and *Lachrymae* by Julia Mueller, violist, and Ruth Friedberg, pianist. Recorded extracts from the *War Requiem* (1963) will provide additional illustrations of Britten's writing. Mr. Hamilton, Mary Duke Biddle Professor of Music, will comment on the works performed and on Britten's compositions in general. The University Community and the general public are cordially invited to attend.

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### DIVINITY SCHOOL LECTURE

The Reverend John H. Crum, Director of Social Action, the North Carolina Council of Churches, will speak on the work of the North Carolina Council of Churches and Social Action on Wednesday, March 25th at 11:00 a.m. in York Chapel, Divinity School. The University Community is cordially invited.

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### FACULTY CLUB LUNCHEON-MEETING

The Faculty Club will meet for lunch on Wednesday, March 25th, at 12:30 p.m. in the Union Ballroom. The speaker will be Dr. Michael Polanyi, during the current semester James B. Duke Visiting Professor in the Department of Religion. Professor Polanyi will speak on some reflections on the modern university. Prior to Professor Polanyi's address, the Club will hold its annual business meeting.

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### ENGINEERING FACULTY COUNCIL MEETING

The Engineering Faculty Council will meet on Wednesday, March 25th at 4:00 p.m. in the Conference Room of the Engineering Building.

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### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, March 25th at 4:15 p.m. in the Auditorium of the Biological Sciences Building. Dr. Darell McCloud, U. S. D. A. Forage and Range Research, Crops Research Division, Beltsville, Maryland, will speak on "Efficiency of Solar Energy Utilization by Crop Plants."

Dr. McCloud is Investigations Leader for the Humid Pasture and Range Investigations at the Plant Industry Station, Beltsville. His present work is concerned primarily with pasture and range management for the eastern half of the nation. He formerly was an agronomist at the University of Florida, a consultant for Johns Hopkins University, Laboratory of Climatology, and a consultant to the Bioclimatics Division, U. S. Weather Bureau. He has received many recognitions and honors including the Outstanding Scientist Award at the University of Florida. He is a member of Sigma Xi, Phi Sigma, and Gamma Sigma Delta. He received the B.S.A. in 1945 and Ph.D. in 1949 from Purdue University. He has authored or co-authored more than 50 papers in his field.

Refreshments will be served in the foyer at 4:00 p.m.

### FORESTRY LECTURE

The Department of Forestry will hold a Lecture on Wednesday, March 25th, at 8:15 p.m. in the Biological Sciences Auditorium. Dr. G. L. Barger, Director, National Weather Records Center, Asheville, North Carolina, will speak on "Forestry Operations and Weather Risks."

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Miss Betty McCarthy Richardson for the Ph.D. degree in Physics will be held on Thursday, March 26th at 2:00 p.m. in Room 218 Physics Building. The subject of Miss Richardson's dissertation is "Studies of the Triplet-Singlet Decay Life-Time for Certain Organic Crystals at Low Temperatures." The committee to conduct the examination consists of Professors Hertha Sponer, Eugene Greuling, Horst Meyer, Henry W. Newson and Thomas M. Gallie. Professor Sponer will preside.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Russell James Hutnik for the Ph.D. degree in Forestry will be held on Thursday, March 26th, at 2:15 p.m. in Room 109 Biological Sciences Building. The subject of Mr. Hutnik's dissertation is "Accumulation and Production in Red Pine (*Pinus Resinosa* AIT.) Plantations at Various Spacings." The committee to conduct the examination consists of Professors Frank W. Woods, Paul J. Kramer, J. G. Osborne, E. S. Harrar, and C. W. Ralston. Professor Woods will preside.

### DUKE UNIVERSITY DINING HALLS SPRING HOLIDAY SCHEDULE

Thursday, March 26: The Oak Room will close after Lunch. Reopen for Lunch Monday, April 6  
Blue and White Room will close after Lunch  
University Room—Breakfast, Snack Bar, Lunch and Dinner  
Friday, March 27: University Room—Breakfast, Snack Bar, Lunch and Dinner  
Saturday, March 28: University Room—Breakfast, Snack Bar, Lunch—Closed Saturday Dinner  
Sunday, March 29: Closed  
Monday, March 30: University Room—Breakfast, Snack Bar, Lunch and Dinner  
Tuesday, March 31: Blue and White Room—Breakfast, Snack Bar, Lunch and Dinner  
Wednesday, April 1: Blue and White Room—Lunch only  
University Room—Breakfast, Snack Bar, Lunch and Dinner  
Thursday, April 2: University Room—Breakfast, Snack Bar, Lunch and Dinner  
Blue and White Room—Lunch only  
Friday, April 3: Blue and White Room—Lunch only  
University Room—Breakfast, Snack Bar, Lunch and Dinner  
Saturday, April 4: University Room—Breakfast, Snack Bar, Lunch and Dinner  
Sunday, April 5: Blue and White Room—Breakfast, Lunch and Dinner  
Monday, April 6: Regular Schedule

THE DINING HALLS WILL CLOSE AFTER LUNCH SATURDAY, MARCH 28 THROUGH SUNDAY, MARCH 29.

### FRIEDRICH HEBBEL EXHIBIT

The Department of Germanic Languages in conjunction with the Department of English (Speech and Drama) announce a current exhibit on the life and work of the German dramatist and poet Friedrich Hebbel (1813-1863) in the Current Periodical Room of the Woman's College Library. The exhibit is on loan from the Grosses Haus, Municipal Theater, Frankfurt, Germany, and will be on display from March 10th through March 31st.

### EAST GALLERY ART EXHIBIT

Works by Edith London

The Gallery in the East Campus Library will house an exhibition of recent works by Edith London during the month of March. Mrs. London, who came to Duke in 1939 when her husband, the late Dr. Fritz London joined the University's Physics Department, is known throughout the area as an artist of uncommon ability. She has studied in her native Berlin and in Paris with the internationally esteemed artists, Marcel Gromaire and Andre Lhote. However, her art owes much to her own sensitive and thoughtful nature and to many years of perceptive seeing. Although her work is distinguished by its delicacy of color and texture, one cannot overlook the intellectual discipline of composition and form that underlies the more sensuous aspect of her style.

The exhibition is composed of 27 items of which 15 are oils, 6, pen and ink drawings; and 6, collages. Several private collectors have loaned works for the exhibition, and the North Carolina Museum of Art has generously sent two of Mrs. London's works from its collections. The inclusion of several earlier paintings allows one to see the evolution of Mrs. London's style to the complete abstraction evident in her most recent canvases. Certainly, her increasing use of the medium of collage stands as a contributing factor to her current investigation of the evocative and associative qualities of color, form, and texture, unconfined by the limitations of recognizable subject matter. Her works invite long and increasingly enriching contemplation.

### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application at once.



## SPRING RECESS LIBRARY SCHEDULE

### *General Library*

Thursday, March 26—	8:00 A.M.—5:00 P.M.
Friday, March 27	8:00 A.M.—1:00 P.M.
Saturday, March 28	Closed
Sunday, March 29	Closed
Monday, March 30—	8:00 A.M.—5:00 P.M.
Friday, April 3	8:00 A.M.—1:00 P.M.
Saturday, April 4	Closed
Sunday, April 5	Resume Regular Schedule
Monday, April 6	

### *Woman's College Library*

Thursday, March 26	8:00 A.M.—5:00 P.M.
Friday, March 27	9:00 A.M.—5:00 P.M.
Saturday, March 28	9:00 A.M.—1:00 P.M.
Sunday, March 29	Closed
Monday, March 30—	9:00 A.M.—5:00 P.M.
Friday, April 3	9:00 A.M.—1:00 P.M.
Saturday, April 4	Closed
Sunday, April 5	Resume Regular Schedule
Monday, April 6	

Schedules for other school, college and departmental libraries will be posted in those libraries.

## TRIANGLE PLAYERS PRESENTATION

A new, original play, "Except We Got Robins" by Dalton Smith of Chapel Hill, will open Sunday, March 22nd at 9:30 p.m. at the Triangle Coffee House, 1205 Duke University Road, for a three-run performance. The short play will be repeated Wednesday, March 25th and Sunday, March 29th. Also at the Coffee House is an art show by Zada Miller of Durham to be shown through April 2nd.

## PASSOVER OBSERVANCE

Those desiring to join a Jewish family for the traditional Passover Sedar on Friday, March 27th or Saturday, March 28th, should call Mrs. Leon Dworsky at 681-6294 by Wednesday, March 18th. Services will be held at Beth-El Congregation (Watts St. and Markham Ave.) on March 27th at 6:30 p.m., on March 28th at 9:00 a.m. and 6:30 p.m., and on March 29th at 9:00 a.m.

## ADVANCE NOTICE

### STUDENT UNION MAJOR ATTRACTION BOSTON POPS CONCERT

The return to classes after the spring recess will be considerably cheered by the performance on Monday evening, April 6th of the Boston Pops Tour Orchestra Concert. The Boston Pops Tour Orchestra, under the direction of renowned Pops Conductor, Arthur Fiedler, with play in the Indoor Stadium on April 6th at 8:15 p.m. the BPTO, organized by special arrangement with the Boston Symphony Orchestra, is currently making its eighth U. S. tour. The concert of the Pops Tour Orchestra will exemplify the astute program planning for which Fiedler is famous, and his fans will have the opportunity to hear him conduct selections from his wide-ranging Pops repertoire with the dynamic action and orchestral control which have won him international fame. To its millions of fans, the Boston Pops means light,

delightful, classical music, expertly sonified and served by Arthur Fiedler and his master musicians. Tickets: On sale starting Wednesday, March 18, 1964, Page Box Office.

Prices \$2.50 (\$1.00 Reduction)  
2.00  
1.50 (\$.75 Reduction)

Reduction for all students—high-school, undergraduate, graduate, medical students.

Selling times: 2:00—5:00 p.m. Monday through Friday

All day on Monday, April 6th  
(9:00 a.m.—8:15 p.m.)

The program will be as follows:

Introduction to Act III, from the	
"Swan Lake" Ballet	<i>Tchaikovsky</i>
Overture to "Semiramide"	<i>Rossini</i>
Piano Concerto No. 1	<i>Rachmaninoff</i>
I. Vivace—II. Andante—	
III. Allegro vivace	

## INTERMISSION

Overture to "Die Meistersinger"	<i>Wagner</i>
"Wine, Woman and Song" Waltzes	<i>Johann Strauss, Jr.</i>
Selections from "The Sound of Music"	<i>Rodgers</i>
Pops Round-Up	<i>arr. Hayman</i>
Theme from "Lawrence of Arabia"	<i>Jarre</i>

## ADVANCE NOTICE

### STUDENT UNION ADVENTURE SERIES JOY ADAMSON

The Student Union Special Activities Committee will present Joy Adamson, author of the international best sellers, **Born Free**, **Living Free**, and **Forever Free**, in a personal appearance and lecture on Tuesday, April 7th at 7:30 p.m. in Page Auditorium. A high light of the program will be a showing of the color film, "The Story of Elsa and Me." Tickets, priced at 50¢ for adults and 25¢ for children (12 years and under) will be available at the Page Box Office from 6:30 p.m. on the day of the performance.

Mrs. Adamson has enchanted thousands of readers with her adventures in raising Elsa the Lioness from cubhood to maturity and in achieving the incredible feat of re-educating the pet for a return to life in the bush. It is no exaggeration to call Joy Adamson's color film of this extraordinary relationship between man and beast a document unique in the annals of natural history.

The Student Union invites the faculty and their families to attend this exciting evening of adventure.

## WEEKLY CALENDAR NOTICE

Spring Recess begins at 12:30 p.m. on Thursday, March 26th with classes resuming on Monday, April 6th at 8:00 a.m. There will be no University Weekly Calendar during the Spring Recess period, March 29th through April 4th. Notice for the Calendar of April 5th through the 11th should be submitted to the Calendar Office, 202-A Flowers Building not later than twelve o'clock noon on Wednesday, April 1st.

WEEK OF

April 5-11, 1964

WEEK OF

April 5-11, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, April 5

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. W. D. White, Assistant Professor of Religion. Presiding Minister: The Reverend Professor Barney L. Jones, Assistant Dean of Trinity College. Broadcast over Radio Station WDNC and WDNC-FM.

The preacher for Sunday, April 12th will be Dr. Samuel Proctor, President, A. & T. College.

### Monday, April 6

10:00 a.m. College of Engineering Symposium: "Influence of Shock and Vibration on Design." (See special notice for program.) Auditorium of Engineering Building.

4:15 p.m. Zoology Seminar. Auditorium of the Biological Sciences Building. Speaker: Dr. Ramon Margalef.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30 p.m. Faculty Volleyball. Indoor Stadium.

8:15 p.m. Student Union Major Attraction: The Boston Pops Tour Orchestra Concert. Indoor Stadium.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, April 7

10:10 a.m. Divinity School Chapel. York Chapel. Dr. Richard A. Goodling.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball.

2:00 p.m. The final examination of Mr. Thomas Everett Nichols, Jr. for the Ph.D. degree in Economics. Library Conference Room.

3:30 p.m. University Religious Council Lecture. Speaker: Dr. Henry Hitt Crane. Music Room, East Duke Building.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00 p.m. Council on Gerontology Seminar. Speaker: Barbara E. Shenfield. Room 208 Flowers Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:00 p.m. Duke Sailing Club Meeting. Speaker: Mr. Milt Ricketts. Room 101 West Duke Building.

7:00 p.m. Student Union Duplicate Bridge Club Meeting. Green Room, East Duke Building.

7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.

7:30 p.m. University Religious Council Lecture. Speaker: Dr. Henry Hitt Crane. Music Room, East Duke Building.

7:30 p.m. Student Union Lecture—Film Series: Joy Adamson, author of "Born Free," with color film, "The Story of Elsa and Me." Page Auditorium.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



8:00 p.m. Fritz London Memorial Lecture. Speaker: Dr. John Bardeen. Biological Sciences Building Auditorium.

## Wednesday, April 8

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Richard A. Goodling.
- 11:00 a.m. Divinity School Lecture. York Chapel. Speaker: Dr. Darrell Randall.
- 2:30 p.m. The final examination of Mr. Gordon Ervin Jones for the Ph.D. degree in Physics. Room 218 Physics Building.
- 4:00 p.m. Economics Seminar. Room 139 Social Science Building. Speaker: Professor George J. Stigler.
- 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Richard Korf.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Divorce—Italian Style" (Italian) with Marcello Mastroianni and Daniela Rocca. Academy Award Winner—"Best Original Screenplay," Winner Cannes Festival Award—"Best Comedy," "Wonderfully funny"—Time Mag. "The Season's Best Comedy!"—Life Mag.

## Thursday, April 9

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. R. Allan Ross.
- 2:00 p.m. The final examination of Mr. Samuel Adrian Dickson, Jr. for the Ph.D. degree in Physics. Room 218 Physics Building.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. Esther Kokas.
- 4:00-6:00 p.m. Registration for Duke University Conference on "Christianity and Social Revolution in Newly Developing Nations." Flowers Lounge. (See special notice.)
- 4:15 p.m. Winchester Excavation Project Discussion Meeting. Room 130 Psychology-Sociology Building. Speaker: Dr. Martin Biddle.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:00 p.m. Duke University Conference Keynote Address: Miss Barbara Ward. Page Auditorium.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, April 10

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Richard A. Goodling and Mr. Hollis Williams, Jr.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:00 p.m. Art Lecture. Auditorium of the Institute of Government, University of North Carolina, Chapel Hill, North Carolina. Speaker: Dr. Justus Bier.

## Saturday, April 11

- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Divorce—Italian Style" (Italian) with Marcello Mastroianni and Daniela Rocca. Academy Award Winner—"Best Original Screenplay," Winner Cannes Festival Award—"Best Comedy," "Wonderfully funny"—Time Mag. "The Season's Best Comedy!"—Life Mag.
- 8:15 p.m. Chamber Arts Society: New York String Sextet. Music Room, East Duke Building.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST STUDENT CENTER** (Chaplain James W. Stines): Friday, 6:15 P.M., Supper, followed by worship and seminars. Guest speaker will be Dr. William Strickland, Professor of New Testament Theology, Southeastern Baptist Seminary. April 12, 1:45 P.M., Rides leave East and West circles for the program at Murdoch School at Butner. April 17-19: North Carolina Baptist Student Union Spring Conference at Salisbury. Guest speaker will be Dr. Carlyle Marney of Myers Park Baptist Church in Charlotte and Dr. Sam Southard of the Southern Baptist Seminary. Any interested persons are urged to register no later than April 13. Call 286-6097, or leave your name at the Baptist Student Center.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday, 6:45 P.M., East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain Robert Mill): Tuesday, 5:15 P.M., Inquirer's Class. Wednesday, 7:10 A.M., Holy Communion. Thursday, 5:30 P.M., Holy Communion. Friday, 4:00 P.M., Seminar on Christianity and Modern Man.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): Sunday, April 12, 8:30 A.M., Dr. Richard Shaull, of Princeton Theological Seminary and Brazil, will speak and lead a discussion at the Methodist Center on "The Christian in a 'World Come of Age.'" Breakfast will be served at 8:30 A.M.; cost will be 50c. Those interested in participating should call ext. 2909 or 2921 to make reservations by Thursday, April 9, or sign the list posted at the Methodist Center.

## COLLEGE OF ENGINEERING SYMPOSIUM

The College of Engineering will hold a symposium, supported by the National Science Foundation, on the theme "Influence of Shock and Vibration on Design" on Monday, April 6th and Tuesday, April 7th. All interested persons are cordially invited to attend any of the lectures in the Engineering Auditorium. The program of events will be as follows:

Monday, April 6

- 10:00 a.m. Engineering Auditorium  
Greetings and Remarks—J. L. Meriam, College of Engineering  
Response Spectra—R. S. Ayre, Yale University  
12:00 Noon. Lunch in the Union Ballroom  
1:45 p.m. Engineering Auditorium  
"Dynamic Problems Encountered in the Design of Space Vehicles"—W. T. Thomson, University of California, Los Angeles  
"Some Applications of Dynamic Photoelasticity"—P. D. Flynn, Frankford Arsenal  
6:00 p.m. Dinner at Schrafft's Country Inn (Ladies Invited)  
"Field Conditions of Shock and Vibration"—I. Vigness, U. S. Naval Research Laboratory

Tuesday, April 7

- 10:00 a.m. Engineering Auditorium  
"Random Vibration"—S. H. Crandall, Massachusetts Institute of Technology  
"Shock Testing"—C. E. Crede, California Institute of Technology  
12:00 Noon. Lunch in the University Ballroom  
1:45 p.m. Engineering Auditorium  
"Non-Linear Vibration Problems"—J. P. Den Hartog, Massachusetts Institute of Technology  
Adjournment at about 3:00 p.m.

## ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, April 6th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Ramon Margalef, Institute de Investigaciones Pesqueras, Barcelona, Spain, will speak on "New Tools in the Study of Synthetic Characters of Plankton Communities." Coffee and tea will be served in the foyer at 4:00 p.m.

## FINAL EXAMINATION FOR THE PH.D DEGREE

The final examination of Mr. Thomas Everett Nichols, Jr. for the Ph.D. degree in Economics will be held on Tuesday, April 7th, at 2:00 p.m. in the Library Conference Room. The subject of Mr. Nichols' dissertation is "Interregional Competition in the Soybean Crushing Industry with Particular Attention to the Southeast." The committee to conduct the examination consists of Professors C. B. Hoover, J. J. Spengler, C. E. Ferguson, W. P. Yohe, and C. E. Bishop, University of North Carolina, Raleigh, N. C. Professor Hoover will preside.

## UNIVERSITY RELIGIOUS COUNCIL LECTURES

The Special Observances Committee of the University Religious Council will sponsor two open lectures by Dr. Henry Hitt Crane on the topic, "The Context of Sex," at 3:30 p.m. and 7:30 p.m. on Tues-

day, April 7th in the Music Room of East Duke Building. Dr. Crane, former pastor of Central Methodist Church in Detroit, is an extremely popular preacher on college and university campuses across the country, and he has made several previous appearances at Duke.

## STUDENT UNION MAJOR ATTRACTION BOSTON POPS CONCERT

The return to classes after the spring recess will be considerably cheered by the performance on Monday evening, April 6th of the Boston Pops Tour Orchestra Concert. The Boston Pops Tour Orchestra, under the direction of renowned Pops Conductor, Arthur Fiedler, with play in the Indoor Stadium on April 6th at 8:15 p.m. the BPTO, organized by special arrangement with the Boston Symphony Orchestra, is currently making its eighth U. S. tour. The concert of the Pops Tour Orchestra will exemplify the astute program planning for which Fiedler is famous, and his fans will have the opportunity to hear him conduct selections from his wide-ranging Pops repertoire with the dynamic action and orchestral control which have won him international fame. To its millions of fans, the Boston Pops means light, delightful, classical music, expertly souffled and served by Arthur Fiedler and his master musicians.

Prices \$2.50 (\$1.00 Reduction)  
2.00  
1.50 (\$.75 Reduction)

Reduction for all students—high-school, undergraduate, graduate, medical students.

Selling times: 2:00-5:00 p.m. Monday on Main Quadrangle.

6:30-8:15 p.m. in Box Office of Indoor Stadium

The program will be as follows:

Introduction to Act III, from the	
"Swan Lake" Ballet	<i>Tchaikovsky</i>
Overture to "Semiramide"	<i>Rossini</i>
Piano Concerto No. 1	<i>Rachmaninoff</i>
I. Vivace—II. Andante—	
III. Allegro vivace	

Soloist: Ozan Marsh

## INTERMISSION

Overture to "Die Meistersinger"	<i>Wagner</i>
"Wine, Woman and Song" Waltzes	<i>Johann Strauss, Jr.</i>
Selections from "The Sound of Music"	<i>Rodgers</i>
Pops Round-Up	<i>arr. Hayman</i>
Theme from "Lawrence of Arabia"	<i>Jarre</i>

## GERONTOLOGY SEMINAR

The Duke University Council on Gerontology will meet on Tuesday, April 7th, at 5:00 p.m. in Room 208 Flowers Building. Barbara E. Shenfield, author of "Social Policies for Old Age" and lecturer in Sociology, Social Studies and Economics, Bedford College, University of London, will speak on "Profile of Aging in Great Britain." Interested members of the University Community are invited to attend this open seminar.



### DUKE SAILING CLUB MEETING

The Duke Sailing Club will meet on Tuesday, April 7th at 7:00 p.m. in Room 101 West Duke Building, with a talk by Milt Ricketts, past Carolina Sailing Club Flying Dutchman champion from Greensboro. He will speak on "Racing Rules and Tactics." Anyone interested is welcome to attend.

The Club will also sponsor a regatta at Satterwhite Point on Kerr Lake on Sunday, April 12th at 10:30 a.m. Any class boat may be entered by being at Satterwhite Point by 10:15 a.m. on April 12th.

### STUDENT UNION ADVENTURE SERIES

#### JOY ADAMSON

The Student Union Special Activities Committee will present Joy Adamson, author of the international best sellers, **Born Free**, **Living Free**, and **Forever Free**, in a personal appearance and lecture on Tuesday, April 7th at 7:30 p.m. in Page Auditorium. A high light of the program will be a showing of the color film, "The Story of Elsa and Me." Tickets, priced at 50¢ for adults and 25¢ for children (12 years and under) will be available at the Page Box Office from 6:30 p.m. on the day of the performance.

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The Student Union invites the faculty and their families to attend this exciting evening of adventure.

### FRITZ LONDON MEMORIAL LECTURE

The eighth Fritz London Memorial Lecture, sponsored by the Duke Chapter of the Society of Sigma XI, will be given by Dr. John Bardeen on Tuesday, April 7th, at 8:00 p.m. in the auditorium of the Biological Sciences Building. Dr. Bardeen, Professor of Physics and Electrical Engineering at the University of Illinois, will speak on "UNDERSTANDING SUPERCONDUCTIVITY."

Dr. Bardeen has made major advances in the understanding of semiconductors and superconductivity. In 1956 he shared the Nobel Prize with Dr. W. H. Brattain and Dr. William Shockley for the discovery of the transistor effect. In 1962 he received the Fritz London Award for his contribution to the first successful microscopic theory of superconductivity.

The lecture is open to the public.

### DIVINITY SCHOOL LECTURE

The Divinity School will hold an open lecture on Wednesday, April 8th, at 11:00 a.m. in York Chapel. Dr. Darrell Randall, Chairman, Africa Area Studies Program, School of International Service, American University, Washington, D. C. will speak on "What is the Matter with the New Nations?" The public is cordially invited to attend.

### FINAL EXAMINATION FOR THE PH.D DEGREE

The final examination of Mr. Gordon Ervin Jones for the Ph.D. degree in Physics will be held on Wednesday, April 8th, at 2:30 p.m. in Room 218 Physics Building. The subject of Mr. Jones' dissertation is "Some Millimeter Wave Spectra of HBr, HCl and Co." The committee to conduct the examination consists of Professors Walter Gordy, Eugene Greuling, Hertha Spomer, Henry Newsom, and F. G. Dresel. Professor Gordy will preside.

### ECONOMICS SEMINAR

The Economics Seminar will be held on Wednesday, April 8th, at 4:00 p.m. in Room 139 Social Science Building. The speaker will be Professor George J. Stigler of the University of Chicago.

### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, April 8th, at 4:15 p.m. in the Auditorium of the Biological Sciences Building. Dr. Richard Korf, Department of Plant Pathology, Cornell University, will speak on "A Systematist's View of Modern Taxonomy."

After receiving his B.Sc. in 1946 and Ph.D. in 1950 at Cornell University, Professor Korf served as a Lecturer at Glasgow and later as a Fulbright Research Professor at Yokohama National University. He is a specialist in the taxonomy of the cup fungi and in recent years has directed his attention toward the Discomycete Flora of Asia.

Refreshments will be served in the foyer at 4:00 p.m.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Samuel Adrian Dickson, Jr. for the Ph.D. degree in Physics will be held on Thursday, April 9th, at 2:00 p.m. in Room 218 Physics Building. The subject of Mr. Dickson's dissertation is "Nuclear Magnetic Resonance in Some Solidified Gases under High Pressure." The committee to conduct the examination consists of Professors Horst Meyer, Walter Gordy, Henry W. Newsom, Harold W. Lewis, and Seth Warner. Professor Meyer will preside.

### WINCHESTER EXCAVATION PROJECT DISCUSSION MEETING

The British director of the archaeological excavations at Winchester, Mr. Martin Biddle, Professor of History at the University of Exeter, will visit Duke University Thursday, April 9th, as guest of the Duke Committee on the Winchester Project. At 4:15 p.m. in Room 130 Psychology-Sociology Building, he will describe the previous exploration of the Winchester sites and the campaign projected for the coming summer. After his talk, illustrated by slides, he will answer questions from all persons interested in the excavations. Mr. Biddle wishes especially to meet all Duke students applying for appointment to the Duke

party which will participate in the 1964 campaign, June 29th to September 6th. All others interested, however, are invited to attend.

Mr. Biddle will lecture on the Winchester excavations to the North Carolina Society of the Archaeological Institute of America at 8:00 p.m. Monday, April 13th, in 110 Murphey Hall, University of North Carolina, Chapel Hill, N. C. This lecture will be open to the public.

### DUKE UNIVERSITY CONFERENCE ON "CHRISTIANITY AND SOCIAL REVOLUTION IN NEWLY DEVELOPING NATIONS"

In an effort to stimulate creative discussion across professional and disciplinary lines, the Divinity School of Duke University with the aid of the Ford Foundation will hold a four day conference on "Christianity and Social Revolution in Newly Developing Nations," on the campus, from the evening of Thursday, April 9th, to the morning of Sunday, April 12th. The public is cordially invited to participate together with representatives of government, higher education, and religious agencies in all the major addresses and seminars.

The keynote address, "Am I My Brother's Keeper?" will be presented by Miss Barbara Ward, noted British economist and author, at 8:00 p.m. in Page Auditorium on Thursday, April 9th. She will be followed by a roster of distinguished speakers including: Dr. Paul Abrecht, Director of the World Council of Churches' study on "Churches in Areas of Rapid Social Change"; Dr. John Scott Everton, Vice President of Education and World Affairs, former U. S. Ambassador to Burma; Dr. Samuel Proctor, President of Agricultural and Technical College, Greensboro, North Carolina, and former and future Associate Director of the Peace Corps; Professor Richard Shaull, Princeton Theological Seminary, Latin American expert; Dr. David Stowe, Executive Secretary, Division of Foreign Missions, National Council of Churches; Mr. Nicholas O. Anim, Executive Secretary, Institute of Education, University of Ghana; and Mr. Mariga T. Wangombe, Assistant Education Officer, Nairobi City and County.

The program follows:

#### Thursday, April 9, 1964

4 - 6 p.m. Registration ..... Flowers Lounge  
6:00 p.m. Opening Banquet ..... Union Ballroom  
8:00 p.m. Keynote Address ..... Page Auditorium  
Miss Barbara Ward, economist, author  
"AM I MY BROTHER'S KEEPER?"  
9:15 p.m. Panel Discussion ..... Page Auditorium

#### Friday, April 10, 1964

9:00 a.m. Morning Worship ..... Memorial Chapel  
9:30 a.m. Lecture ..... Page Auditorium  
The Rev. Paul Abrecht, World Council of Churches  
"THE RESPONSE OF CHRISTIANS AND  
CHURCHES TO THE SOCIAL REVOLUTION"  
10:45 a.m. Seminar Discussion Groups ..... Seminar Rooms  
2:00 p.m. Lecture ..... Page Auditorium  
Mr. Nicholas O. Anim, Ghana  
Mr. Mariga T. Wangombe, Kenya  
"CHRISTIANITY AND SOCIAL  
REVOLUTION IN AFRICA"

3:15 p.m. Seminar Discussion Groups .... Seminar Rooms  
6:00 p.m. Banquet ..... Union Ballroom  
8:00 p.m. Address ..... Page Auditorium  
Dr. M. Richard Shaull, Princeton Seminary  
"CHRISTIANITY AND SOCIAL  
REVOLUTION IN LATIN AMERICA"  
9:15 p.m. Panel Discussion ..... Page Auditorium

#### Saturday, April 11, 1964

9:00 a.m. Morning Worship ..... Memorial Chapel  
9:30 a.m. Lecture ..... Page Auditorium  
Dr. John Scott Everton, Education and World Affairs  
"EDUCATIONAL DIMENSIONS OF  
SOCIAL REVOLUTION"  
10:45 a.m. Seminar Discussion Groups .... Seminar Rooms  
2:00 p.m. Lecture ..... Page Auditorium  
Dr. David M. Stowe, Division of Foreign Missions,  
National Council of Churches  
"THE CHRISTIAN MISSION IN  
SOCIAL REVOLUTION"  
3:15 p.m. Seminar Discussion Groups .... Seminar Rooms  
8:00 p.m. Lecture ..... Alice M. Baldwin Auditorium  
Dr. Bryon L. Johnson, Agency  
for International Development  
"DEVELOPING AN ADEQUATE  
SENSE OF COMMUNITY"  
9:15 p.m. Panel Discussion .. Alice M. Baldwin Auditorium

#### Sunday, April 12, 1964

11:00 a.m. Chapel Service ..... Duke Chapel  
President Samuel D. Proctor, Agricultural  
and Technical College, Greensboro  
"THE WRONG TIME TO BE SILENT"

### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, April 9th, at 4:00 p.m. in Room M-204 Davison Building. The speaker, Dr. Esther Kokas, M.D., Ph.D., University of North Carolina, Department of Physiology, will speak on "Control of the Motility of Intestinal Villi."

### LECTURE BY DR. BIER ON "EARLY BOOK ART"

Dr. Justus Bier, Director of the North Carolina Museum of Art and currently Benjamin N. Duke Visiting Professor in the Department of Art, will speak at an open lecture on Friday, April 10th, at 8:00 p.m. in the Auditorium of the Institute of Government, University of North Carolina in Chapel Hill. Dr. Bier will discuss "Early Book Art; A Traveling Exhibition of the North Carolina Museum of Art." The lecture, sponsored by Beta Phi Mu, is open to the public without charge.

### CHAMBER ARTS SOCIETY NEW YORK STRING SEXTET

The Chamber Arts Society will present the sixth and final concert of its season, to be played by the New York String Sextet on Saturday, April 11th, at 8:15 p.m. in the Music Room, East Duke Building. The musicians are Renato Bonacini and Kees Kooper (Violins), Paul Doktor and Emile Simouel (Violas),



Janos Scholz and George Koutzen (Cellos). The program follows:

Boccherini    Quintet in F major, Opus 13, No. 4  
Richard Strauss    String Sextet from "Capriccio"  
Beethoven    Quintet in C major, Opus 29  
Dvorak    Quintet in E flat major, Opus 97

#### Admission:

The annual membership card admits to all concerts. Guest card for a single admission costs \$2.50. About 60 guest cards are available; they may be obtained at the Music Room door from 7:30 to 8:00 p.m. prior to the concert. Inquiries may be addressed to Chamber Arts Society, % Ernest W. Nelson, Box 6065, College Station.

### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application **at once**.

### UNDERGRADUATE BOOK COLLECTORS CONTEST

The prize contest for Undergraduate Book Collectors is sponsored jointly by The Friends of Duke University Library and the Gothic Bookshop, and is open to all Undergraduates. These prizes—of respectively \$100, \$60 and \$40 worth of books, winner's choice—will be awarded this year. The closing date is April 8th. For full details see Jeremy North at the Gothic Bookshop.

### GERMAN EXAMINATION FOR CANDIDATES FOR GRADUATE DEGREES

The German examinations for candidates for graduate degrees will be given on Monday, April 27th. Students register for this examination in the Graduate School Office not later than Wednesday, April 15th.

### THE BOTANY GREENHOUSES

Four of the Department of Botany's greenhouses, containing plants used for teaching, are open to the public. There is a large conservatory of tropical plants of biologic and economic interest, a comparative collection of New and Old World succulents, and a seasonally changing assortment of plants grown for special uses. The greenhouses are open weekdays from 9:00 a.m. to 4:30 p.m. and on Saturdays until noon.

### THE ANNE FLEXNER MEMORIAL AWARD FOR CREATIVE WRITING

The Anne Flexner Memorial Award is offered annually for the best piece of creative writing submitted by an undergraduate student at Duke University.

First Prize—\$100.00

Second Prize—\$ 50.00

#### CONDITIONS

1. The prize is open to all undergraduates, both men and women.
2. Only short stories (7500-word limit), one-act plays (7500-word limit), poems (200-line limit), and informal essays (5000-word limit) are eligible.
3. Only one manuscript may be submitted by any contestant.
4. All manuscripts must be typed double spaced and must be delivered to the English Office (325 Allen Building) by April 20. The author's name and address must appear nowhere except on a separate sheet placed before the manuscript.
5. At the judges' discretion, the prize may be split equally between a winning prose and a winning poetry entry.

### ADVANCE NOTICE STUDENT UNION OPERA HOUR

The Student Union's Fine Arts Committee will hold an "opera hearing" on Sunday, April 12th in the Music Lounge of Flowers Building. Two undergraduates, Ed Horne and Alice Estes, will present background material on the Mozart opera, "Cosi Fan Tutti," after which the entire opera will be played. All interested are invited to attend.

### ADVANCE NOTICE GERMANIC LITERATURE LECTURE

The Department of Germanic Languages announces a lecture on Monday, April 13th, at 4.00 p.m. in Room 208 Flowers Building. Dr. Ernst Behler, Dozent in Philosophy at the Rheinische Friedrich-Wilhelms-Universität in Bonn, presently Visiting Professor of Germanic Languages at Washington University, St. Louis, Missouri, will speak on "The Theory of Romantic Irony: Its Literary and Philosophical Implications."

### THE HARLEY AFRICAN COLLECTION

The George W. Harley African Collection is now on display on the second floor of the Psychology-Sociology Building (Old Biology) outside the Department of Sociology and Anthropology. Dr. Harley is a distinguished alumnus, formerly assistant curator of the Biology Museum at old Trinity College, and later curator of the Pathology Museum at the Yale Medical School. Much of his collection of African masks is in the Peabody Museum at Harvard, where he did post-graduate work. After a number of years of medical work in West Africa, Dr. Harley began for President Tubman the government museum of ethnology and history in Liberia. The exhibit will be on display during the spring semester.

WEEK OF  
April 12-18, 1964

WEEK OF  
April 12-18, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, April 12

- Denominational Meetings. See special notice.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Samuel D. Proctor, Associate Director United States Peace Corps. Sermon: "The Wrong Time To Be Silent." Broadcast over Radio Station WDNC and WDNC-FM.  
1:45 p.m. Student Union Opera Hour. Music Lounge of Flowers Building.  
2:00-5:00 p.m. Student Union Chess Club. Room 204 Flowers Building.

### Monday, April 13

- 9:00 a.m.-5:00 p.m. 63rd Annual Meeting of Association of Surgeons of the Southern Railway System. Jack Tar Hotel and Page Auditorium. (April 13, 14, and 15.)  
4:00 p.m. Germanic Literature Lecture. Room 208 Flowers Building. Speaker: Dr. Ernst Behler Dozent.  
4:15 p.m. Zoology Seminar. Auditorium Biological Sciences Building. Speaker: Dr. Anne Hurst.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
5:30 p.m. Faculty Volleyball. Indoor Stadium.  
7:00-9:00 p.m. Course Card Writing. Trinity College.

- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, April 14

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Ralph Eanes.  
12:30-1:30 p.m. Faculty and Graduate Students Volleyball. Indoor Stadium.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.  
4:00 p.m. Economics Seminar. Room 139 Social Science Building. Speaker: Professor Jerome Rothenburg.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
7:00-9:00 p.m. Course Card Writing. Trinity College and Woman's College.  
7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.  
8:00 p.m. Student Union Open Seminar on Africa. Room 208 Flowers Building. Speaker: Dr. Davidson Nicol.  
8:00 p.m. Divinity Dames Meeting. Home of Dr. Hugh Anderson, 917 Green Street. Speaker: Dr. Thomas Langford.

### Wednesday, April 15

- 10:00 a.m. Campus Club Coffee. Hill House on Duke Street.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Egil Grislis.
- 12:00 noon. Botany Seminar. Auditorium Biological Sciences Building. Speaker: Dr. Wolfgang Franke.
- 4:30 p.m. Psychology Colloquium. Room 139 Social Science Building. Speaker: Dr. Peter Schanbach.
- 5:00 p.m. Photography Contest: Deadline for Entries. Room 102 Flowers Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Student Union Duplicate Bridge Club. Green Room West Duke Building.
- 7:00 p.m. Engineering Review Lecture. Room 139 Engineering Building. Speaker: Professor T. H. Nash.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Heavens Above!" with Peter Sellers, Cecil Parker, and Ian Carmichael. Another delightful British comedy from the Boulting Brothers. "Devastating to the well-tuned bone"—*N. Y. Times*. "Sellers gets better and better"—*Time Magazine*.
- 7:30 p.m. CORE Meeting. Room 208 Flowers Building.
- 8:15 p.m. Duke Concert Band Spring Concert. Alice M. Baldwin Auditorium.

## Thursday, April 16

- 9:30 a.m. Psychiatry Lecture. Room 203 Duke Hospital. Speaker: Dr. Michael Polanyi.
- 9:45 a.m. Opening Session of Thirteenth Southern Municipal and Industrial Waste Conference. (April 16 and 17). See Special Notice.
- 10:00 a.m. Newcomer's Club Meeting. Hope Valley Country Club.
- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Egil Grislis.
- 12:30 p.m. Luncheon for 7th Annual Archive Festival. Old Trinity Room.
- 3:00 p.m. 7th Annual Archive Festival. Music Room, East Duke Building. Speaker: Joan Williams.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 6:00 p.m. Society of Friends Meeting. Friends Meeting House.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. 7th Annual Archive Festival. Panel Discussion of Student Work. Panelists: Fred Chappell, Doris Betts, Robert Watson, and Joan Williams.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. French Plays. Branson Hall.

## Friday, April 17

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Dr. Egil Grislis, Celebrant.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 7:00 p.m. Student Union Pre-Artists Series Seminar. Room 208 Flowers Building.
- 7:30 p.m. Bowling for Faculty and their families at Sportland. Regular Rates Apply.
- 8:15 p.m. Artist Series: John Browning, Pianist. Page Auditorium.
- 8:15 p.m. French Play. Branson Hall.

## Saturday, April 18

- 9:00 a.m. Registration for North Carolina Chapter of the American Association of Teachers of French Annual Spring Meeting. Page Lobby. (For schedule, see special notice.)
- 2:00 p.m. Student Union All-Campus Championship Bridge Tournament. The Ark.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Heavens Above!" with Peter Sellers, Cecil Parker, and Ian Carmichael. Another delightful British comedy from the Boulting Brothers. "Devastating to the well-tuned bone"—*N. Y. Times*. "Sellers gets better and better"—*Time Magazine*.
- 7:30 p.m. Joint Glee Clubs Concert. Alice M. Baldwin Auditorium.
- 8:15 p.m. French Play. Branson Hall.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Sunday, 1:45 P.M.**, Rides leave East and West circles for the program at Murdoch School at Butner. **April 17-19:** North Carolina Baptist Student Union Spring Conference at Salisbury. Guest speakers will be Dr. Carlyle Marney of Myers Park Baptist Church in Charlotte and Dr. Sam Southard of the Southern Baptist Seminary. Any interested persons are urged to register no later than April 13. Call 286-6097, or leave your name at the Baptist Student Center.

**CHRISTIAN SCIENCE ORGANIZATION:** **Tuesday, 6:45 P.M.**, East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday, 9:30 A.M.**, Holy Communion. **Tuesday, 5:15 P.M.**, Inquirer's Class; **7:45 P.M.**, Meeting of Episcopal University Council. **Wednesday, 7:10 A.M.**, Holy Communion. **Thursday, 5:30 P.M.**, Holy Communion. **Friday, 3:00 P.M.**, Seminar on Orthodoxy.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday, 6:00 P.M.**, Lutheran Church in Chapel Hill; Dr. Erb, Executive Secretary of the Board of Missions, Lutheran Church in America. Contact Roger Erickson, Duke ext. 3539, for transportation. Cars will leave the Chapel steps and the East Campus circle at 5:15. **Monday, 5:30 P.M.**,

Men's Graduate Center, Supper meeting, followed by discussion of Christians Role in Politics. **April 17, 18, and 19**, Camp Lutheridge, Arden, N. C., Retreat for Lutheran Students of Southeastern Region. Any interested student will need to contact Bill Patton, ph. 286-1551.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 8:30 A.M.**, Breakfast Discussion—"Religionless Christianity"—Dr. Richard Shaull, Princeton Theological Seminary and Brazil; 6:00 P.M., Common meal and Holy Communion, followed by an address and discussion of "The Methodist General Conference—1964" by Dr. Wilson O. Weldon, Minister of W. Market Methodist Church, Greensboro, N. C. A Saturday afternoon and evening work project, sponsored jointly by the Methodist Center and the Wesley Foundation at N.C.C., will be held in Warrenton, helping to clear ground for a community recreation center. The group will leave the Methodist Center at 12:30 P.M., returning Saturday evening by 10:00 P.M. Call the Methodist Center for information.

Wesley Players will present the drama, **Bus Stop**, by William Inge, at the Methodist Center on May 2, 3, and 4.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 4:45 P.M.**, Meet at Center for rides to Chapel Hill for supper at UNC Westminster House and continuation of Politics and Religion Symposium sponsored by UNC, N. C. State and Duke Westminster Fellowship.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, home of Dr. and Mrs. Richard Goodling, Farrington Road. Chaplain Cranford Johnson will discuss the work of the World Student Christian Federation and the recent W.S.C.F. meeting at Athens, Ohio. Transportation will leave from the Chapel steps, East Campus circle and Hanes House at 5:15 P.M. **Thursday, 12:40 P.M.**, Luncheon at Gilbert-Addoms.

#### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Samuel D. Proctor, Associate Director, United States Peace Corps, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, April 12th in the University Chapel.

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, April 19th, is the Reverend Professor Robert E. Cushman, Dean of the Divinity School.

#### STUDENT UNION OPERA HOUR

The Student Union's Fine Arts Committee will hold an "opera hearing" at 1:45 p.m. on Sunday, April 12th in the Music Lounge of Flowers Building. Two undergraduates, Ed Horne and Alise Estes, will present background material on the Mozart opera, "Cosi Fan Tutti," after which the entire opera will be played. All interested are invited to attend.

#### GERMANIC LITERATURE LECTURE

The Department of Germanic Languages announces a lecture on Monday, April 13th, at 4.00 p.m. in Room 208 Flowers Building. Dr. Ernst Behler,

Dozent in Philosophy at the Rheinische Friedrich-Wilhelms-Universität in Bonn, presently Visiting Professor of Germanic Languages at Washington University, St. Louis, Missouri, will speak on "The Theory of Romantic Irony: Its Literary and Philosophical Implications."

#### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, April 13th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Anne Hurst, Department of Zoology, will speak on "The Mechanism of a Proboscis." Coffee and tea will be served in the foyer at 4:00.

#### ECONOMICS SEMINAR

The Economics Seminar will meet Tuesday, April 14th, at 4:00 p.m. in Room 139 Social Science Building. Professor Jerome Rothenberg of Northwestern University will speak on "Coalitions and Group Decision-Making."

#### STUDENT UNION OPENS SEMINAR ON AFRICA

The Student Union will present Dr. Davidson Nicol, African doctor and educator, in an open seminar on "Aspects of Development in Independent Africa" on Tuesday, April 14th at 8:00 p.m. in Room 208 Flowers Building.

Visiting the United States and Canada on the invitation of the Carnegie Corporation of New York, Dr. Nicol and his wife are the guests of the Commonwealth-Studies Center while in Durham. Dr. Nicol is the Principal of University College of Freetown, Sierra Leone, a graduate with honors in Biochemistry from Christ's College of Cambridge, and the first African to be elected a Fellow of an Oxford or Cambridge college. In addition to his medical research—which includes the co-discovery of the structure of human insulin—Dr. Nicol is vitally concerned with the future of Africa and his own Sierra Leone. In 1958 he left his position as a Fellow of Christ's College to return to Sierra Leone as Government Pathologist. Since then Dr. Nicol has devoted his life to improving higher education in Africa.

For the open seminar here, Dr. Nicol will present a lecture and film on certain aspects of the development and progress of independent countries in Africa, especially in the field of education.

#### ENGINEERING REVIEW LECTURE

The Engineering Review Lecture will be held on Wednesday, April 15th at 7:00 p.m. in Room 139 Engineering Building. Professor T. H. Nash will speak on "Kinematics-Kinetics."

#### CAMPUS CLUB COFFEE

The Campus Club will have a Morning Coffee on Wednesday, April 15th at 10:00 a.m. in Hill House on Duke Street. Hostess Departments will be German, Greek, Latin, Romance Languages and Russian, and Mrs. Gifford Davis will be Chairman. Special feature of the occasion will be an "International Exhibit of our Own World Travelers" presented by Program Chairman, Mrs. Wiley D. Forbus.



### DIVINITY DAMES MONTHLY MEETING

The Divinity Dames monthly meeting will be held on Tuesday, April 14th at 8:00 p.m. at the home of Dr. Hugh Anderson, 917 Green Street. Dr. Thomas Langford will be the guest speaker. His topic is "Contemporary Theology."

The election of new officers will be held.

### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, April 15th at 12:00 noon in the Auditorium of the Biological Sciences Building, West Campus. Dr. Wolfgang Franke of the Institut für landwirtschaftliche Botanik, Universität Bonn, Western Germany will speak on "Morphology and Nature of Ectodesmata."

As Professor of Botany at the Institute of Agricultural Botany, Dr. Franke is best known to the English-speaking audience for his paper that appeared in the September, 1961, issue of *American Journal of Botany: Ectodesmata and foliar absorption*.

### PSYCHOLOGY COLLOQUIUM

The Psychology Colloquium will be held on Wednesday, April 15th at 4:30 p.m. in Room 139 Social Science Building. Dr. Peter Schonbach, Visiting Associate Professor of Psychology, will speak on the topic, "Language Effects on Attitudes."

Dr. Schonbach received his Ph.D. in 1956 at the University of Minnesota as a Research Associate at the Institut für Sozialforschung in Frankfurt am Main, and a lecturer at the University of Frankfurt. His research and teaching activities have been concerned with group dynamics, intergroup attitudes, and psycholinguistics.

### DUKE CONCERT BAND CONCERT

The Department of Music will present the Duke Concert Band, with Paul Bryan, conductor, in its spring concert on Wednesday, April 15th, at 8:15 p.m. in the Alice M. Baldwin Auditorium. Featured on the program will be the premier performance of Iain Hamilton's "The Chaining of Prometheus" commissioned by the Mary Duke Biddle Foundation in 1963 and the solo performance of John Hanks, tenor. The University Community and the general public are cordially invited to attend. The complete program will be as follows:

Dance Variations	<i>Ingolf Dahl</i>
The Chaining of Prometheus	<i>Iain Hamilton</i>
Commissioned by the Mary Duke Biddle Foundation for the Duke University Concert Band (1963)	
Prelude (Moderato)	
Aria I (Lento)	
Interlude (Presto)	
Aria II (Grave)	
Postlude (Lento)	
The Merry-makers, a miniature Overture	<i>Eric Coates</i>

### INTERMISSION

November 1963: In Memoriam	<i>R. R. Trevarthen</i>
Three Arias for Tenor	
"Oh image Angel-like and fair"	
from <i>The Magic Flute</i>	<i>W. A. Mozart</i>
"Let me wander not unseen" and "Oh let the merry bells ring out" from <i>L'Allegro</i>	<i>G. F. Handel</i>
Mattinata	<i>Ruggiero Leoncavallo</i>
John Hanks, Tenor	
Four Scottish Dances	<i>Malcolm Arnold</i>

### STUDENT UNION PHOTOGRAPHY CONTEST

The Fine Arts Committee of the Student Union extends an invitation to all undergraduate students, graduate students, faculty, and staff to participate in the 1963-64 Student Union Photographic competition. All entries must be accepted by the Selections Committee and should be submitted to Room 102 Flowers Building on Monday, Tuesday, and Wednesday, April 13th through the 15th between 7:30 p.m. and 9:00 p.m. with Wednesday as the deadline. Specification sheets are posted and are available at the Information Desk. The exhibit may be viewed and will be judged in the Alumni Lounge, West Union Building through the end of the month.

### PSYCHIATRY LECTURE

Dr. Michael Polanyi, distinguished scientist, physician and philosopher, and currently James B. Duke Distinguished Professor in the Department of Religion, will speak on "Some Reflections on Mind-Body Problems—Their Bearing on Psychiatry" at 9:30 a.m. on Thursday, April 16th in Room 2031 Duke Hospital. The University Community is invited to attend.

### THIRTEENTH SOUTHERN MUNICIPAL AND INDUSTRIAL WASTE CONFERENCE

Duke University will be host to the Thirteenth Southern Municipal and Industrial Waste Conference on Thursday, April 16th and Friday, April 17th which is jointly sponsored by Duke, North Carolina State and the University of North Carolina at Chapel Hill. The program provides for a wide range of interests in matters relating to utilization of the water resources of the southeastern states.

Keynoter for the Conference will be the Honorable Edmund S. Muskie, from Maine, Chairman of the Special Subcommittee on Air and Water Pollution of the Committee on Public Works, United States Senate. Dr. Kenneth J. Ives of University College, London will speak on "The Control of Pollution for the Water Supply of London" at lunch on April 16th. Mr. Dan K. Moore, Vice Chairman of the North Carolina State Board of Water Resources will give the Banquet Address Thursday evening. The meeting will close Friday afternoon with a Symposium of Interrelationships Among Water Resources, Pollution Control and Industrial Growth of the Southeast.

A limited number of tickets for the luncheons and the banquet are available. For information, contact: Dr. Edward H. Bryan, Department of Civil Engineering, Conference Chairman at extension 2434. Detailed programs are also available from Dr. Bryan.

### SOCIETY OF FRIENDS MEETING

The Society of Friends (Quakers) will hold their monthly meeting for business on Thursday, April 16th at 7:30 p.m., preceded by potluck supper at 6:00 p.m. at the Friends Meeting House on Alexander Street. For information call Mrs. Martha Klopfer at 286-4868. All are welcome.

## SEVENTH ANNUAL ARCHIVE FESTIVAL

The Seventh Annual Archive Literary Festival will be held on Thursday, April 16th, in the Music Room of East Duke Building with an afternoon session at 3:00 p.m. with Joan Williams reading from her novel, **The Morning and the Evening**, and an evening session at 8:15 p.m. with a panel discussion of the student stories from the **Archive**. All sessions are open to the public without charge.

Joan Williams who in private life is Mrs. Ezra Bowen is a native Mississippian now living in Westport, Connecticut. Her first novel **The Morning and the Evening** won the 1962 John P. Marquand Award for the Book-of-the-Month Club. The panelists, chaired by Fred Chappell, Duke graduate and presently a graduate student in the English Department, is the author of the novel, **It is Time, Lord**. He is joined by Doris Betts, writer from Sanford, North Carolina, author of the novel, **Tall Houses in Winter**; Dr. Robert Watson, poet and member of the English Department at the University of North Carolina in Greensboro, author of a book of poems entitled, **A Paper Horse** and Miss Williams.

## NEWCOMERS' CLUB MEETING

The Annual Business Meeting and Coffee of the Newcomers' Club will be held on Thursday, April 16th at 10:00 a.m. at the Hope Valley Country Club. Mrs. Arthur Larson, president of the Duke University Campus Club, will be the hostess for the event.

## FRENCH PLAYS

Every spring since 1935, with the exception of a few of the World War II years, the University Community and surrounding areas have had the opportunity to attend a full scale performance of a French play, classical or modern, performed in French by an all student cast. Mrs. Neal Dow of the French Department has served as director, producer, and costumer for all these performances and will this year direct two plays, **"La Farce du Cuvier"** and Alfred de Musset's, **"Fantasio."** They will be played on four successive evenings, Thursday, April 16th through Sunday, April 19th in Branson Hall at 8:15 p.m. and are open to the public without charge.

**"La Farce du Cuvier"** is a one act folk play dating back to the 15th century and is a forerunner of the **"Taming of the Shrew."** It tells how a hen-pecked husband subdues his nagging wife. **"Fantasio,"** a play of two acts and an atmosphere of the Eighteenth century, relates the adventures of a young man-about-town who turns court jester to escape his creditors and saves the heroine (a princess) from a politically expedient but distasteful marriage.

## ADVANCE NOTICE JAZZ CONCERT-DISCUSSION

Professor Richard Trevvarthen, visiting lecturer in the Music Department, will lead a discussion on **"The Blues and Their Effect on Later Jazz Trends"** on Sunday, April 19th at 2:15 p.m. in the Music Room, East Duke Building. Assisting in the "concert-discussion" will be the Frank Bennett Quartet.

## MEETING OF THE NORTH CAROLINA CHAPTER OF THE AMERICAN ASSOCIATION OF TEACHERS OF FRENCH

The North Carolina chapter of the American Association of Teachers of French will hold its annual spring meeting on the Duke campus on Saturday, April 18th from 9:00 a.m.-2:00 p.m. The schedule will be as follows:

- |                  |   |
|------------------|---|
| 9:00- 9:30 a.m.  | Registration in Page Lobby  |
| 9:30-10:15 a.m.  | Paper by Professor James R. Price, Appalachian State Teachers' College: "Teacher Education and Certification" |
| 10:15-10:45 a.m. | Coffee in Flowers Lounge  |
| 10:45-11:30 a.m. | Panel Discussion on the teaching of literature with Professor Clifton Cherpach presiding.                     |
| 11:30 a.m.       | Business Meeting  |
| 1:00 p.m.        | Luncheon in Old Trinity Room  |

## JOINT GLEE CLUBS CONCERT

The Duke University Women's Glee Club and Men's Glee Club will give a joint concert on Saturday, April 18th at 7:30 p.m. (note time change) in the Alice M. Baldwin Auditorium. James Young, Acting Director of the Glee Club, will conduct with William Watson as accompanist. The program will feature sacred music including Bach and Handel, folk songs from various countries, and **"Frostiana,"** selections of the poetry of Robert Frost set to music by Randall Thompson. Tickets priced at \$1.00 (75¢ advance sale) are available in 210 Flowers Building.

## TRIANGLE COFFEE HOUSE PRODUCTION

The Triangle Coffee House Players will present another original play, **"The Plums Are Purple, Not Violet,"** by Ed Kenestrick of Chapel Hill, Sunday, April 12th at 9:30 p.m. at the Triangle Coffee House, 1205 Duke University Road. Also featured at the Coffee House is an exhibition of paintings by Katie Yelverton of Chapel Hill and of photographs by Charles David Knox of Durham.

## DUKE ARTISTS SERIES JOHN BROWNING, PIANIST

The final performance of the Duke University Artists Series will be the concert by John Browning, brilliant young American pianist, at 8:15 p.m. in Page Auditorium. Remaining tickets, priced at \$2.50 and \$2.00 are available in 202-A Flowers Building or by calling extension 2911.

Sponsored by the Student Union's Fine Arts Committee, a seminar will again precede the Artists Series performance by John Browning at 7:00 p.m. in Room 208 Flowers Building. The public is cordially invited to attend.

John Browning has been hailed "a meteor that crashed onto the musical scene" (New York Herald Tribune, 1960), and these words explain why within the span of seven years, this pianist has become an international star. Mr. Browning is the recipient of three famous competition prizes: the Steinway Centennial Award, sponsored by the National Federation of Music Clubs; the Edgar M. Leventritt Award, which gave him his debut with the New York Philharmonic Orchestra under Dimitri Mitropoulos; and



the Gold Medal Award of the Concours International Musical Reine Elisabeth in Brussels, perhaps the most celebrated of all international competitions. John Browning made his professional debut at the age of ten, playing Mozart's Coronation Concerto in a special concert with members of the Denver Symphony. Subsequently, he received his degree from the Juilliard School of Music, working with the distinguished pedagogue, Rosina Lhevinne.

The program follows:

JOHN BROWNING		
<i>Program</i>		
	I	
Pieces de Clavecin		<i>Couperin</i>
	II	
Fantasy in F minor, Op. 49		<i>Chopin</i>
	III	
Sonata, Op. 26		<i>Barber</i>
INTERMISSION		
	IV	
Preludes		<i>Debussy</i>
	V	
Etudes Symphoniques, Op. 13		<i>Schumann</i>
HERBERT BARRETT MANAGEMENT		
250 West 57th Street		
New York, N. Y.		
Steinway Piano	Capitol and Epic Records	

### ADVANCE NOTICE ECONOMICS LECTURE

Professor Juanita Kreps will give the fourth in a series of public lectures on current economic issues on Monday evening, April 20th at 8:00 p.m. in Room 130, Sociology and Psychology Building. Her subject will be "Automation." The University Community and the public are cordially invited.

### THE ANNE FLEXNER MEMORIAL AWARD FOR CREATIVE WRITING

The Anne Flexner Memorial Award is offered annually for the best piece of creative writing submitted by an undergraduate student at Duke University.

First Prize—\$100.00  
Second Prize—\$ 50.00

#### CONDITIONS

1. The prize is open to all undergraduates, both men and women.
2. Only short stories (7500-word limit), one-act plays (7500-word limit), poems (200-line limit), and informal essays (5000-word limit) are eligible.
3. Only one manuscript may be submitted by any contestant.
4. All manuscripts must be typed double spaced and must be delivered to the English Office (325 Allen Building) by April 20. The author's name and address must appear nowhere except on a separate sheet placed before the manuscript.
5. At the judges' discretion, the prize may be split equally between a winning prose and a winning poetry entry.

### GUEST ORGAN RECITAL

A Guest Organ Recital by Dr. Gordon Wilson, Professor of Music at the University of North Carolina at Greensboro will be presented on Sunday, April 19th at 4:00 p.m. in the Duke University Chapel.

Dr. Wilson took his Master of Music Degree in Piano under Ernst von Dohnanyi at the Florida State University, and the Doctor of Musical Arts Degree from the University of Michigan. As a recitalist, Dr. Wilson has appeared before Regional Conventions for the A.G.O. in New Orleans and Charlotte and his tours have extended from Portland, Maine, to Miami, Florida. In addition, he has studied for three years with Miss Catharine Crozier on the faculty of Rollins College, Winter Park, Florida. The program follows:

Prelude and Fugue in E minor	<i>Nicolaus Bruhns</i> (1665-1697)
Noel #1, in D minor	<i>Louis C. D'Aquin</i> (1694-1772)
Introduction and Toccata in G Major	<i>William Walond</i> (1725-1770)
Organ Chorales	<i>J. S. Bach</i> (1685-1750)
The Old Year Now has passed away Comest Thou, from heaven to earth? Kyrie, Thou Spirit Divine	
Pastorale	<i>Jean Jules Roger-Ducasse</i> (1873-1954)
The Nativity of our Saviour	<i>Olivier Messiaen</i> (1908- )
The Children of God The Angels	
Variations on a Noel	<i>Marcel Dupre</i> (1886- )
Moderato (Theme)	
Larghetto	
Poco animato	
Vif	
Vivace	
Plus modere (Canon at the fourth and fifth)	
Vivace	
Cantabile (Canon at the second)	
Anime	
Fugato-Finale	

### PRINT AND DRAWING SOCIETY PRINT SHOP

The Print and Drawing Society is sponsoring a print show from April 5th through May 4th at the Garden Gallery, on Highway 70, two miles east of the intersection of the road to the Raleigh-Durham Airport. This exciting show includes prints by such contemporary masters as Picasso, Baskin, Lebrun, Motherwell and others, and is open to the public for browsing and buying. The Garden Gallery is open every afternoon (including Sunday) from 2:00 to 5:00 p.m.

### JOE COLLEGE WEEKEND BOB HOPE PERFORMANCE

In conjunction with the Joe College Weekend program the Student Union will present "An Evening with Bob Hope and the Mitchell-Ruff Trio" on Friday, April 24th, at 10:00 p.m. in the Indoor Stadium. General admission tickets only, priced at \$2.50, will be on sale in the West Quadrangle beginning Monday, April 13th during the afternoon. Mail orders may be sent to Box KM, Duke Station, with a stamped self-addressed envelope.

WEEK OF  
April 19-25, 1964

# CALENDAR

WEEK OF  
April 19-25, 1964

## OF DUKE UNIVERSITY



### Events of the Week

#### Sunday, April 19

- Denominational Meetings. See special notice.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Professor Robert E. Cushman, Dean of the Divinity School. Sermon: "He Was Reckoned Among Transgressors." Broadcast over Radio Station WDNC and WDNC-FM.  
2:00 p.m. Jazz Concert-Lecture: Frank Bennett Septet and Mr. Richard Trevvarthen. Music Room, East Duke Building.  
4:00 p.m. Guest Organ Recital: Dr. Gordon Wilson. University Chapel.  
8:15 p.m. French Plays. Branson Hall.

#### Monday, April 20

- 2:30 p.m. Joint Duke-U. N. C. Physics Colloquium. Room 265 Phillips Hall, University of North Carolina, Chapel Hill, North Carolina. Speaker: Professor Tullio Regge.  
4:15 p.m. Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. John Machin.  
5:00 p.m. Faculty Volleyball. Indoor Stadium.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
8:00 p.m. Economics Seminar. Room 130 Sociology and Psychology Building. Speaker: Professor Juanita Kreps.

- 8:15 p.m. Durham Civic Choral Society and The Triangle Little Symphony Concert. Alice M. Baldwin Auditorium.  
8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

#### Tuesday, April 21

- 8:30 a.m. Registration for The Normal and Therapeutic Nutrition Program Institute. Room 208 Flowers Building. (See special notice.)  
10:10 a.m. Divinity School Chapel. York Chapel. Professor Ray C. Petry.  
12:30-1:30 p.m. Faculty and Graduate Students Volleyball.  
2:15 p.m. The Final Examination of Mr. George B. Clemans for the Ph.D. degree in Chemistry. Room 303 Chemistry Building.  
2:30 p.m. The Final Examination of Mr. Wallace Clay Snipes for the Ph.D. degree in Physics. Room 218 Physics Building.  
2:30 p.m. High Energy Physics Seminar. Room 120 Physics Building. Speaker: Dr. Rosanna Regge.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00 p.m. Gerontology Seminar. Room 208 Flowers Building. Speaker: Professor Fritz Verzar.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted  
**IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later  
than 1:00 p.m., Wednesday. Extension 2911.



- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.  
 8:15 p.m. Final Concert in Series: "Five Evenings with Iain Hamilton. Music Room, East Duke Building.

## Wednesday, April 22

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Ray C. Petry.  
 12:30 p.m. Faculty Club Meeting. Union Ballroom.  
 1:30 p.m. The Final Examination of Miss Mary Clyde Singleton for the Ph.D. degree in Anatomy. Room 405 Davison Building.  
 2:30 p.m. The Final Examination of Mr. John Alden Farrell for the Ph.D. degree in Physics. Room 218 Physics Building.  
 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Bruce Eberhart.  
 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.  
 7:00 p.m. Engineering Review Lecture. Room 139 Engineering Building. Speaker: Professor V. L. Kenyon.  
 7:00 p.m. Student Union Duplicate Bridge Club Meeting. Green Room, West Duke Building.  
 7:00 p.m. Chapel Choir Rehearsal. University Chapel.  
 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Heavens Above!" with Peter Sellers, Cecil Parker, and Ian Carmichael. Another delightful British comedy from the Boulting Brothers. "Devastating to the well-tuned bone"—N. Y. Times. "Sellers gets better and better"—Time Magazine.  
 8:15 p.m. Department of Music Senior Recital: Peter Hellman. Music Room, East Duke Building.

## Thursday, April 23

- 10:10 a.m. Divinity School Chapel. York Chapel. Miss Barbara Zikmund.  
 1:00-2:00 p.m. Registration for Folklore Conference. Flowers Lounge. (See special notice.)  
 1:30 p.m. The Final Examination of Mr. Wilber Clarence Stewart for the Ph.D. degree in Electrical Engineering. Room 132 Engineering Building.  
 2:00 p.m. Physiology Seminar. Room M-204 Davison Building. Speaker: Dr. John V. Evans.  
 2:30 p.m. The Final Examination of Mr. Granvil C. Kyker, Jr., for the Ph.D. degree in Physics. Room 218 Physics Building.  
 4:00 p.m. Joint Duke-U.N.C. Philosophy Colloquia. Room 211A West Duke Building. Speaker: Professor Stephan Korner.  
 4:30 p.m. University Faculty Meeting. Room 111 Biological Sciences Building.  
 5:00 p.m. Faculty Volleyball. Indoor Stadium.

- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
 5:30 p.m. Phi Beta Kappa Initiation. D Room, West Campus Dining Halls.  
 6:00 p.m. Phi Beta Kappa Dinner and Lecture. Union Ballroom. Speaker: Dr. Willard Thorp.  
 7:30 p.m. International Law Program. Courtroom, Law School. Speaker: Mr. Jamal Sa'd.  
 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.  
 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, April 24

- 9:00 a.m. Final examination of Mr. James W. O'Leary for the Ph.D. degree in Botany. Room 140 Biological Sciences Building.  
 9:00 a.m. Final examination of Mr. Maximo J. Cerame-Vivas for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.  
 10:10 a.m. Divinity School Chapel. York Chapel. Professor Ray C. Petry, Mr. Robert Van Hook, and Mr. Karl L. Bucey.  
 11:30 a.m. Final examination of Mr. George Adam Schultz for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.  
 1:00 p.m. Golf: Duke vs. University of Maryland.  
 2:30 p.m. Final examination of Mr. Gordon Edward Baird for the Ph.D. degree in Physics. Room 218 Physics Building.  
 3:00 p.m. Tennis: Duke vs. N. C. State.  
 3:00 p.m. Baseball: Duke vs. Clemson.  
 4:00 p.m. Joe College Parade. Buchanan and Main Streets.  
 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.  
 7:00 p.m. Hoof 'n' Horn: "Can-Can." Page Auditorium.  
 7:30 p.m. Bowling for Faculty and their families at Sportland. Regular Rates Apply.  
 8:00 p.m. Joint Duke-U.N.C. Philosophy Colloquia. 213 Caldwell Hall, University of North Carolina, Chapel Hill. Speaker: Professor Stephan Korner.  
 10:00 p.m. Bob Hope and the Mitchell-Ruff Trio. Indoor Stadium.

## Saturday, April 25

- 12:00 noon. Box Luncheon. West Quadrangle.  
 1:30 p.m. Lawn Concert with Serendipity Singers and Fred Smoot. West Quadrangle.  
 2:00 p.m. U.S.C. Baseball.  
 2:00 p.m. Varsity Lacross: Great Grads Day.  
 8:15 p.m. Hoof 'n' Horn: "Can-Can." Page Auditorium.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Friday, 6:15 P.M.**, Supper followed by worship and seminar.

**CHRISTIAN SCIENCE ORGANIZATION:** **Tuesday, 6:45 P.M.**, East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday (Easter III), 9:30 A.M.**, Holy Communion. **Tuesday, 5:15 P.M.**, Inquirer's Class. **Wednesday, 7:10 A.M.**, Holy Communion. **Thursday, 5:30 P.M.**, Holy Communion. **Friday, 4:00 P.M.**, Seminar on Christianity and Modern Man. **Saturday (St. Mark), 7:10 A.M.**, Holy Communion.

The following persons will serve as the Episcopal University Council for the next year: Chairman, Michael A. Bryant; Vice-Chairman, Robert T. Hyde, Jr.; Secretary, Libba Barnett; Treasurer, Claude A. Lavarre. The other members of the Council are: Tempe Brownell, Susan Kauffman, James G. Richardson and John Hines.

On **Thursday, May 7 (Ascension Day)**, at 5:30 P.M., the Episcopal Bishop of North Carolina will make his annual visit to the Episcopal University Center for the Service of Baptism, Confirmation and Holy Communion. There will be a picnic following the service. All persons in the University community are cordially invited to attend.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Monday, 5:30 P.M.**, Men's Graduate Center, Supper meeting to be followed by discussion of Christianity and Capitalism.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 9:00 A.M.**, **Honest to God Seminar**. Snack breakfast followed by discussion session. **6:00 P.M.**, Service of Evening Prayer. **Thursday, 5:30 P.M.**, Men's Graduate Center, Social Legislation Seminar. Dr. Donald Roy, Sociology Department, will speak on, "Cybernation and Automation." Bring supper tray to small dining room. The University community is invited.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 5:30 P.M.**, Politics and Religion Symposium (sponsored by the Westminster Fellowships of N. C. State College, U. N. C. and Duke). Supper will be followed at 6:30 P.M. by the last of three sessions of the symposium, entitled, "Christians and Party Politics." The Moderator will be: Rev. Charles Johnson. Participants are: Senator John R. Jordan of Wake County (Democrat) and Representative William Osteen of Guilford County (Republican).

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.**, Supper with the Westminster Fellowship at the Pres. Student Center on Alexander Street. Following supper the group will share in the program "Christians and Party Politics." **Thursday, 12:40 P.M.**, Luncheon at Gilbert-Addoms.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor Robert E. Cushman, Dean of the Divinity School, will deliver the sermon at the University Service of Worship at 11:00 a.m. on **Sunday, April 19th**, in the University Chapel. His

subject will be "He Was Reckoned Among Transgressors."

The preacher who is scheduled to deliver the sermon at the University Service of Worship next **Sunday, April 26th**, is the Reverend Dr. Colin W. Williams, Executive Director of the Department of Evangelism of the National Council of Churches of Christ in the U.S.A.

## JAZZ CONCERT-LECTURE

A Concert-Lecture by the Frank Bennett Septet and Mr. Richard Trevarthen, visiting lecturer in the Duke Music Department, will be presented on **Sunday, April 19th at 2:00 p.m.** in the Music Room, East Duke Building. The Session will open with a short discussion by Mr. Trevarthen on the subject, "The Blues and Their Effect on Later Jazz Trends," with short musical illustrations by the Frank Bennett Quartet and Septet, including original compositions by both Mr. Bennett and Mr. Trevarthen.

Mr. Trevarthen, Duke '55, is currently a visiting lecturer in the Duke Music Department. He has received his masters degree from the University of Michigan, and plans next year to pursue studies for his doctorate. He is presently studying composition with Iain Hamilton, Mary Duke Biddle Professor, and has had several works performed here recently. Also studying with Mr. Hamilton is Frank Bennett, jazz and classical percussionist and leader of the Duke Ambassadors. Members of Mr. Bennett's Septet are: James Crawford, tenor; John Kielkowski, Trumpet; Lyman Hammond, trombone; Walt Smith, baritone sax; Harrison Register, guitar; and Clarence Boyd, bass.

## JOINT DUKE-U.N.C. PHYSICS COLLOQUIUM

The Joint Duke-U.N.C. Physics Colloquium will meet **Monday, April 20th at 2:30 p.m.** in Room 265 Phillips Hall, University of North Carolina. Professor Tullio Regge of the University of Turin, Italy, and the Institute for Advanced Study, Princeton University, Princeton, New Jersey, will speak on "Topology and Feynman's Amplitude."

## ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on **Monday, April 20th**, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. John Machin, Department of Zoology, University of Toronto, will speak on "The Aerodynamics of Snails: A Study of Water Loss in Moist Skinned Animals." Coffee and tea will be served in the foyer at 4:00.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Wallace Clay Snipes for the Ph.D. degree in Physics will be held on **Tuesday, April 21st, at 2:30 p.m.** in Room 218 Physics Building. The subject of Mr. Snipes' dissertation is "Free Radicals and Paramagnetic Ions in Biological Systems." The committee to conduct the examination consists of Professors Walter Gordy, Dwight Saylor, Horst Meyer, and Leonard Carlitz. Professor Gordy will preside.



## GUEST ORGAN RECITAL

A Guest Organ Recital by Dr. Gordon Wilson, Professor of Music at the University of North Carolina at Greensboro will be presented on Sunday, April 19th at 4:00 p.m. in the Duke University Chapel.

Dr. Wilson took his Master of Music Degree in Piano under Ernst von Dohuanyi at the Florida State University, and the Doctor of Musical Arts Degree from the University of Michigan. As a recitalist, Dr. Wilson has appeared before Regional Conventions for the A.G.O. in New Orleans and Charlotte and his tours have extended from Portland, Maine, to Miami, Florida. In addition, he has studied for three years with Miss Catharine Crozier on the faculty of Rollins College, Winter Park, Florida. The program follows:

Prelude and Fugue in E minor	<i>Nicolaus Bruhns</i> (1665-1697)
Noel #1, in D minor	<i>Louis C. D'Aquin</i> (1694-1772)
Introduction and Toccata in G Major	<i>William Walond</i> (1725-1770)
Organ Chorales	<i>J. S. Bach</i> (1685-1750)
The Old Year Now has passed away Comest Thou, from heaven to earth? Kyrie, Thou Spirit Divine	<i>Jean Jules Roger-Ducasse</i> (1873-1954)
Pastorale	<i>Olivier Messiaen</i> (1908- )
The Nativity of our Saviour	<i>Marcel Dupre</i> (1886- )
The Children of God The Angels Variations on a Noel	
Moderato (Theme) Larghetto Poco animato Vif Vivace Plus modere (Canon at the fourth and fifth) Vivace Cantabile (Canon at the second) Anime Fugato-Finale	

## NORMAL AND THERAPEUTIC NUTRITION PROGRAM INSTITUTE MEETING

The Normal and Therapeutic Nutrition Program Institute, sponsored by the Diet Therapy Section of the North Carolina Dietetic Association will hold a three day meeting at Duke University on Monday, April 20th through Wednesday, April 22nd. The theme of the conference will be "Therapeutic Dietitian, Scientist and Practitioner." Speakers will include: Dr. Robert E. Shank, M.D., Professor of Preventive Medicine, Washington University School of Medicine, St. Louis, Missouri; Dr. A. Hughes Bryan, M.D., Professor of Public Health Nutrition, U.N.C. School of Public Health, Chapel Hill; Dr. Fritz Verzar, Professor, Institute for Experimental Gerontology, Basel, Switzerland; Mrs. Mary Kenney, Dietitian, N. C. Memorial Hospital, Chapel Hill; Dr. Charles E. Mengel, M.D., Associate in Medicine, Duke University Medical Center; and Dr. Naomi Albanese, Ph.D., Dean, School of Home Economics, University of North Carolina at Greensboro.

## ECONOMICS LECTURE

Professor Juanita Kreps will give the fourth in a series of public lectures on current economic issues

on Monday evening, April 20th at 8:00 p.m. in Room 130 Sociology and Psychology Building. Her subject will be "Automation." The University Community and the public are cordially invited.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. George B. Clemans for the Ph.D. degree in Chemistry will be held on Tuesday, April 21st, at 2:15 p.m. in Room 303 Chemistry Building. The subject of Mr. Clemans' dissertation is "I. Some Reactions of the 9,10-Dihydrodicyclopentadiene Oxides. II. The Stereochemistry of Some 1- and 2-Substituted Dicyclopentadiene Derivatives." The committee to conduct the examination consists of Professors Pelham Wilder, C. K. Bradsher, C. R. Hauser, Jacques C. Poirier, and Norman Kirshner. Professor Wilder will preside.

## DURHAM CIVIC CHORAL SOCIETY AND THE TRIANGLE LITTLE SYMPHONY CONCERT

The Durham Civic Choral Society and the Triangle Little Symphony will present Joseph Haydn's *The Seasons* on Monday, April 20th at 8:15 p.m. in the Alice M. Baldwin Auditorium.

## HIGH ENERGY PHYSICS SEMINAR

There will be a High Energy Physics Seminar on Tuesday, April 21st at 2:30 p.m. in Room 120 Physics Building. Dr. Rosanna Regge of Penn-Princeton Protou Synchrotron, Princeton, New Jersey will speak on the topic "K+ Leptonic Decays."

## GERONTOLOGY SEMINAR

The Duke University Council on Gerontology will hold a seminar on Tuesday, April 21st at 5:00 p.m. in Room 208 Flowers Building. Professor Fritz Verzar, Director, Institut fur Experimentelle Gerontologie, Basel, Switzerland, will speak on "The Role of Experimental Biological Research in Gerontology." The public is cordially invited to attend.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. John Alden Farrell for the Ph.D. degree in Physics will be held on Wednesday, April 22nd, at 2:30 p.m. in Room 218 Physics Building. The subject of Mr. Farrell's dissertation is "Neutron Resonances in the Nickel Isotopes and Other Intermediate Nuclei." The committee to conduct the examination consists of Professors Henry W. Newson, Horst Meyer, Eugene Greuling, and T. M. Gallie, Jr. Professor Newson will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Miss Mary Clyde Singleton for the Ph.D. degree in Anatomy will be held on Wednesday, April 22nd, at 1:30 p.m. in Room 405 Davison Building. The subject of Miss Singleton's dissertation is "Distribution of the Optic Fibers in the Cat." The committee to conduct the examination consists of Professors Talmage Peele, F. G. Hall, J. E. Markee, I. T. Diamond, and R. F. Becker. Professor Peele will preside.

## FINAL CONCERT IN SERIES "FIVE EVENINGS WITH IAIN HAMILTON"

The Department of Music will present the final program in the current series of "Five Evenings with Iain Hamilton" on Tuesday, April 21st at 8:15 p.m. in the Music Room, East Duke Building. The program will consist of a workshop concert featuring three Duke University composers who have studied with Mr. Hamilton—Richard Trevarthen, a graduate of the class of '55 who is currently filling a one-year appointment as Visiting Lecturer in the Music Department; Phillip Rhodes, a graduate of '62 who is currently pursuing the Master's Degree in Music at Yale University; Frank Bennett III, a member of the class of '64. Participants in the program will be students and faculty members of the University. Mr. Hamilton, Mary Duke Biddle Professor of Music, will comment on the works performed. The University Community and the general public are cordially invited to attend. The program will be as follows:

- |                                   |   |
|-----------------------------------|---|
| String Quartet (1963)             | Richard Trevarthen                          |
| Andante                           |   |
| Allegro                           |   |
| Adagio                            |   |
| Allegro giocoso                   |   |
| Presto                            |   |
| Andante                           |   |
|                                   | Joseph Pepper, Violin                       |
|                                   | Tom Lowe, Violin                            |
|                                   | Lawrence Wallace, Viola                     |
|                                   | Barbara Pepper, Cello                       |
| Suite No. 2 For Five Winds (1962) | Phillip Rhodes                              |
| I Prelude                         |   |
|                                   | Drammatico: Sustainuto and Allegro leggiero |
| II Sarabande                      |   |
|                                   | Moderato                                    |
| III Gigue                         |   |
|                                   | Allegro giocoso                             |
|                                   | Peter Hellman, Flute                        |
|                                   | Barry Hannegan, Oboe                        |
|                                   | Allan Bone, Clarinet                        |
|                                   | Steve Seawright, French Horn                |
|                                   | James Henry, Bassoon                        |
| Sextet (1963)                     | Frank Bennett III                           |
| Slowly—Allegro                    |   |
| Adagio                            |   |
|                                   | Joseph Pepper, Violin                       |
|                                   | Barbara Pepper, Cello                       |
|                                   | Nancy Githens, Flute                        |
|                                   | Allan Bone, Clarinet (Bass Clarinet)        |
|                                   | Steve Seawright, French Horn                |
|                                   | James Henry, Bassoon                        |

## FACULTY CLUB MEETING

The Faculty Club's last luncheon meeting of the year will be held on Wednesday, April 22nd, at 12:30 p.m. in the Union Ballroom. The Mary Duke Biddle Foundation will present a panel discussion on the present and projected activities of the Foundation. Cost of the luncheon will be the usual \$1.25. Please RSVP to Mr. Hilburn Womble's office.

## BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, April 22nd at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. Bruce Eberhart, Department of Biology, University of North Carolina at Greensboro, will speak on the "Genetic Control of Cellulase and B-Glucoside Decomposition by *Neurospora*."

Professor Eberhart is a native of California and a graduate of San Jose State and Stanford University. His doctoral thesis, *The Biochemical Genetics of Thiamine Metabolism in Neurospora*, set the general theme for two publications with E. L. Tatum. Following graduate studies, he served as an Instructor and Assistant Professor at Princeton University and currently is Chairman at Greensboro.

Refreshments will be served in the foyer at 4:00 p.m.

## ENGINEERING REVIEW LECTURE

The Engineering Review Lecture will be held on Wednesday, April 22nd in Room 139 Engineering Building, at 7:00 p.m. Professor V. L. Kenyon will lecture on Thermodynamics.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Gordon Edward Baird for the Ph.D. degree in Physics will be held on Friday, April 24th, at 2:30 p.m. in Room 218 Physics Building. The subject of Mr. Baird's dissertation is "An Investigation into Operator Structures on  $SU_n$  with Application to a Generalization of the Racah-Wigner Angular Momentum Calculus." The committee to conduct the examination consists of Professors L. C. Biedenharn, Eugene Grenling, Horst Meyer, and Richard A. Scoville. Professor Biedenharn will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. George Adam Schultz for the Ph.D. degree in Zoology will be held on Friday, April 24th, at 11:30 a.m. in Room 225 Biological Sciences Building. The subject of Mr. Schultz's dissertation is "Taxonomy and Ecology of Some American Terrestrial Isopods (Oniscoidea)." The committee to conduct the examination consists of Professors I. E. Gray, Wanda S. Hunter, R. J. Menzies, J. S. Roberts, and T. W. Johnson. Professor Johnson will preside.

## JOE COLLEGE WEEKEND

This year's theme for Duke's annual spring weekend is "Joe College Goes Continental." The festivities will get underway on Friday, April 24th, at 4:00 p.m. with the parade passing the East Campus Wall on Buchanan Boulevard and Main Street. The afternoon athletic events include competitions in golf with the University of Maryland, baseball with Clemson, and a tennis match with North Carolina State.

A full evening of entertainment begins with a seven o'clock curtain for the annual Hoof 'n' Horn musical comedy, Cole Porter's "Can-Can" and followed by an Indoor Stadium appearance of Bob Hope and Gloria de Haven and the Mitchell-Ruff Trio at 10:00 p.m. On Saturday, the Serendipity Singers and comedian Fred Smoot will provide entertainment for the box luncheon and lawn concert in the West Quadrangle. A baseball game with the University of South Carolina and the Varsity Lacrosse Great Grads Day will begin at 2:00 p.m. A second performance of "Can-Can" and individual group parties will conclude the day's activities.



Sunday's schedule includes the University Service of Worship in the Chapel with Dr. Colin W. Williams of the National Council of Churches as preacher, and Open House will be kept by the Fraternity Sections beginning at 2:00 p.m.

Tickets for all events are on sale on the campus, and in Page Box Office.

Lawn Concert (Serendipity Singers)—\$1.50 per person.

Bob Hope—Mitchell-Ruff Trio—\$2.50 per person.

Both events—\$7.00 per couple.

### HOOF 'N' HORN PRESENTS "CAN-CAN"

Hoof 'n' Horn will present Cole Porter's musical comedy, "Can-Can" on Friday evening at 7:00 p.m. and on Saturday evening at 8:15 p.m. in Page Auditorium. The famous musical, which concerns itself with Paris in the 1890's and the Can-Can dancers' fiery conflicts with the gendarmes, includes such famous songs as "I Love Paris," "It's Just One of Those Things," and others. The director is Carol Jennings, '64; producer, Sally Hall, '65; Musical Director, James Henry of the Department of Music; and choreographer, Caroline Kraus. Special features will be the dancing chorus of twenty, and a group of twenty-five singers. Curtain time is 7:00 p.m. on Friday night so that guests may see the Bob Hope show at 10:00 p.m. Saturday's performance is scheduled for 8:15 p.m. Tickets are on sale every afternoon in Page Box Office; all seats reserved at \$1.75, \$1.30, and \$1.25.

### STUDENT UNION PHOTOGRAPHY CONTEST

The Fine Arts Committee of the Student Union announces the 1963-'64 Student Union All Campus Photographic competition-exhibition. The exhibit may be viewed in the Alumni Lounge, West Union Building through the end of the month.

### ADVANCE NOTICE DUKE MEDICAL CENTER—"FOXGLOVE"

An original musical comedy, "Foxglove," will be presented by members of the Duke Medical Center. Friday, May 1st at 8:30 p.m. in Page Auditorium. Written by Wayne Barker and produced by Herb Goldman, "Foxglove," is a "witty satire on medicine," and suitable entertainment for the entire family. Reserved seats, priced at \$1.00 are on sale in the Medical School lobby from 10:30 a.m. through 1:30 p.m. Tickets will also be available April 27th through 30th in the Page Box Office, or by calling 681-0111, extension 2911.

### ADVANCE NOTICE INTERNATIONAL CLUB PICNIC

The International Club will have a picnic in the William B. Umstead State Park on Sunday, April 26th at 3:00 p.m. The cost will be 50¢ per person and reservations should be made through the International Student Office, 207-A Flowers Building, extension 2767. Transportation will be provided for those requesting it. All interested persons are welcome.

### THE ANNE FLEXNER MEMORIAL AWARD FOR CREATIVE WRITING

The Anne Flexner Memorial Award is offered annually for the best piece of creative writing submitted by an undergraduate student at Duke University.

First Prize—\$100.00

Second Prize—\$ 50.00

### CONDITIONS

1. The prize is open to all undergraduates, both men and women.
2. Only short stories (7500-word limit), one-act plays (7500-word limit), poems (200-line limit), and informal essays (5000-word limit) are eligible.
3. Only one manuscript may be submitted by any contestant.
4. All manuscripts must be typed double spaced and must be delivered to the English Office (325 Allen Building) by April 20. The author's name and address must appear nowhere except on a separate sheet placed before the manuscript.
5. At the judges' discretion, the prize may be split equally between a winning prose and a winning poetry entry.

### ADVANCE NOTICE CHANCEL SINGERS CONCERT

The Chancel Singers of Duke University will present their annual concert on Sunday, April 26th at 4:00 p.m. in Alice M. Baldwin Auditorium. The public is cordially invited to attend.

### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application at once.

### JOINT DUKE-UNC PHILOSOPHY COLLOQUIA

Professor Stephan Korner of the University of Bristol will be the guest of the Philosophy Departments at Duke and the University of North Carolina Thursday, April 23rd and Friday, April 24th. He will speak at Duke in Room 211A West Duke Building at 4:00 p.m. on April 23rd on the topic "Some Objections to Deductivism as a Philosophy of Science." On the 24th, through the kindness of the Leonard Nelson Foundation, he will speak in 213 Caldwell Hall at 8:00 p.m. on "Leonard Nelson: A Modern Kantian." Interested members of the University Community are invited.

## DEPARTMENT OF MUSIC SENIOR RECITAL

The Department of Music will present a senior recital by Peter Hellman, flute, on Wednesday, April 22nd at 8:15 p.m. in the Music Room, East Duke Building. Mr. Hellman is a student of Mark Thomas of Washington, D. C. He will be accompanied at the harpsichord and piano by Ruth Friedberg of the Department of Music. The University Community and the general public are cordially invited to attend. The program will be as follows:

Overture from the Suite in A minor Georg Philipp Telemann  
Suite for Flute and Piano Ernst Krenek (1954)

I. Andante

II. Allegretto moderato

III. Andante con moto

IV. Allegro vivace

Souata in E-flat major Johann Sebastian Bach

Allegro moderato

Siciliano

Allegro

Intermission

Syrinx

Claude Debussy (1913)

Pièce

Jacques Ibert

Suite Paysanne Hongroise

Béla Bartók

I. Chants populaires tristes

II. Scherzo

III. Vieilles danses

## FOLKLORE CONFERENCE

The American Folklore Society, the North Carolina Folklore Society, the Duke University Press and the Graduate English Club will sponsor a Folklore Conference, to meet Thursday, April 23rd through Saturday, April 25th at Duke University. All sessions are open to the public without charge. Those wishing to make reservations for the banquet are requested to contact Mr. John H. Langley, Duke University Press before the event. The program follows:

THURSDAY, APRIL 23

(1:00-2:00) Information center and forgathering place, Flowers Lounge

(2:00-4:15) 208 Flowers Building

WELCOME. Douglas M. Knight, President, Duke University

BALLAD—FOLK TRADITION AND ART

Presiding: Arthur Palmer Hudson, University of North Carolina

1. "Toward a Literary History of the Ballad"

David C. Fowler, University of Washington

2. "John Henry in Jamaica"

MacEdward Leach, University of Pennsylvania

3. "The Ballad of Floyd Eddins"

Mary Celestia Parler, University of Arkansas

4. "Folklore and Its Role in the Tales of Bonaventure des Périers" J. W. Hassell, Jr., University of Georgia

5. "Monument or Tomb? Some Thoughts on Folk Music as Preserved in Art Music" Wilton Mason, University of North Carolina

6. "Structural Analysis in Literature and Folklore"

Butler Waugh, University of Florida

(7:00-9:15) 208 Flowers Building

SONG—FOLK MUSIC

Presiding: Thelma James, Wayne State University

1. "Kalinda: Song of the Stick-Fighting Troubadours of Trinidad" Jacob Elder, University of Pennsylvania

2. "Child 117: A Gest of Robyn Hode"

William E. Simeone, Southern Illinois University

3. "Two Scots Songs from the Sullivan-Beers Repertoire" Kenneth S. Goldstein, University of Pennsylvania

4. "Survey of the Instrumental Music of the Southern Appalachians" Joan D. Moser, Brevard College

5. "Collections of North Carolina Folk Music during the Past Half Century" Philip H. Kennedy, University of North Carolina

6. "Folk Music Analysis and Research in Retrospect"

Jan P. Schinhan, University of North Carolina

FRIDAY, APRIL 24

(9:15-11:30) Music Room, East Duke Building, East Campus

FOLKLORE AND MORES, SPEECH, TALES

Presiding: MacEdward Leach, University of Pennsylvania

1. "Aymara Folklore and Folk Temperament"

Weston LaBarre, Duke University

2. "The Clever Animal Tale in African and American Negro Tradition" J. Mason Brewer, Livingstone College

3. "Inspiration and Authority in the Development of the Shaker Spiritual" Daniel W. Patterson, University of North Carolina

4. "Status and Guilt: An Analysis of Hindu Caste Origin Myths" William L. Rowe, Duke University

5. "Early Popularity of O. K."

Richard Walsen, North Carolina State College

6. "The Negro Image in Southern Literature"

Horace P. Beck, Middlebury College

(2:00-4:30) Music Room, East Duke Building, East Campus  
IN OBSERVANCE OF A PUBLICATION COMPLETED

Presiding: Ashbel G. Brice, Duke University Press

1. "I Knew Frank C. Brown"

W. Amos Abrams, Raleigh, N. C.

2. "Newman Ivey White as General Editor"

Marie White, Durham, N. C.

3. "Observations of an Editor"

Paul Baum, Duke University

4. "The Frank C. Brown Collection of North Carolina Folklore: An Appraisal" Arthur Palmer Hudson, University of North Carolina

—coffee break—

5. "Folklore and the Humanities"

Francis Leo Utley, The Ohio State University

6. "Revival or Decline and Fall?"

Bertrand H. Bronson, University of California

(7:00-9:30) Union Ballroom, Union Building, West Campus  
BANQUET

"The Seeds of Love: A Glance at English Amatory Folk Song"—a talk illustrated by songs, by A. L. Lloyd, London, England

SATURDAY, APRIL 25

(9:00-12:30) Music Room, East Duke Building, East Campus  
A SESSION SPONSORED BY THE GRADUATE ENGLISH CLUB

Presiding: William Jerome Mitchell, President

I. Papers by Graduate Students, Duke University

1. "The Story of Horn: The Ballad-Romance Problem Reconsidered" Eric F. Taylor

2. "John Wesley Jarvis and Paulding's *Lion of the West*" Joseph J. Arpad

3. "Ordering and Indexing Tunes in Folksong Scholarship" Alan A. Jabbour

II. Panel

1. Folklore and Literature: "Harden Taliaferro and the Use of Folklore by American Literary Figures" Tristram P. Coffin, University of Pennsylvania

2. Folklore and Myth: "Before Myth"

Herbert Weisinger, Michigan State University

3. Folklore and History: "Oral Tradition and Written History" Richard M. Dorson, Indiana University

—coffee break—

III. Songs from the North Carolina and Georgia Mountains  
—Sung by Hedy West, Los Angeles, California

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Wilber Clarence Stewart for the Ph.D. degree in Electrical Engineering will be held on Thursday, April 23rd, at 1:30 p.m. in Room 132 Engineering Building. The subject of Mr. Stewart's dissertation is "Current-Induced Switching in Thin-Film Superconducting Circuits." The committee to conduct the examination consists of Professors Charles R. Vail, John L. Artley, Harry A.



Owen, Jr., and Horst Meyer. Professor Vail will preside.

### PHYSIOLOGY SEMINAR

The Department of Physiology, Duke University Medical Center, will hold a seminar on Thursday, April 23rd at 2:00 p.m. in Room M-204 Davison Building. Dr. John V. Evans, Department of Physiology, New York State Veterinary College, Cornell University will speak on the subject: "Some Implications—Physiological and Applied—of Inherited Individuality."

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Granvil C. Kyker, Jr. for the Ph.D. degree in Physics will be held on Thursday, April 23rd, at 2:30 p.m. in Room 218 Physics Building. The subject of Mr. Kyker's dissertation is "Proton Resonances in Intermediate Nuclei." The committee to conduct the examination consists of Professors Henry W. Newson, Walter Gordy, Eugene Greuling, and Thomas M. Gallie, Jr. Professor Newson will preside.

### MEETING OF THE UNIVERSITY FACULTY

The University Faculty will meet in Room 111 Biological Sciences Building on Thursday, April 23rd at 4:30 p.m. The agenda will include a report to the Faculty by President Knight.

### PHI BETA KAPPA SPRING MEETING AND PUBLIC LECTURE

The annual spring initiation, dinner, and public lecture of Phi Beta Kappa will take place on Thursday, April 23rd. The initiation will begin at 5:30 p.m. in the D Room, West Campus Dining Halls. The dinner will begin at 6:00 p.m. in the Union Ballroom. The lecture, also in the Ballroom, will be given by Dr. Willard Thorp, Holmes Professor of Belles Lettres and Chairman, Department of English, Princeton University. The subject of Dr. Thorp's lecture will be "The Struggle for Excellence in a Democracy." The lecture will be open to the public. Members must make or cancel reservations for the dinner before noon on April 23rd.

### INTERNATIONAL LAW PROGRAM

Mr. Jamal Sa'd, Director of the Arab Information Center in Washington, will speak on the topic: "Who's Right in the Arab-Israeli Border Dispute?" in the courtroom of the Law School at 7:30 p.m. on Thursday, April 23rd. Mr. Sa'd, a well-known lecturer on the Arab viewpoint in world affairs, will speak under the auspices of the Duke International Law Society. The entire Duke Community is invited to attend and join in the coffee-hour discussion following his address.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. James W. O'Leary for the Ph.D. degree in Botany will be held on Friday, April 24th, at 9:00 a.m. in Room 140 Biological Sciences Building. The subject of Mr. O'Leary's dis-

sertation is "Exudation from Root Systems of Woody Plants." The committee to conduct the examination consists of Professors Paul J. Kramer, Aubrey W. Naylor, Harold S. Perry, Jane Philpott, and Calvin L. Ward. Professor Kramer will preside.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Maximo J. Cerame-Vivas for the Ph.D. degree in Zoology will be held on Friday, April 24th, at 9:00 a.m. in Room 225 Biological Sciences Building. The subject of Mr. Cerame-Vivas' dissertation is "The Distributional Pattern of Benthic Invertebrates of the Continental Shelf off North Carolina." The committee to conduct the examination consists of Professors I. E. Gray, J. D. Costlow, R. J. Menzies, K. M. Wilbur, and H. J. Humm. Professor Gray will preside.

### DUKE UNIVERSITY OFFICIAL EXAMINATION SCHEDULE

#### Spring Semester 1964

ANY STUDENT WISHING TO PETITION FOR RELIEF FROM THREE EXAMINATIONS WITHIN TWENTY-FOUR HOURS OR TWO EXAMINATIONS AT THE SAME TIME MUST REPORT TO HIS DEAN'S OFFICE *NOT LATER THAN APRIL 24, 1964*, TO REQUEST A CHANGE IN SCHEDULE.

Thursday		
May 14	7:00- 8:00 p.m.	Physical Education
Friday		
May 15	Reading Period	No Examination Scheduled
Saturday	9:00-12:00 noon	TTS 3
May 16	2:00- 5:00 p.m.	Economics 52
Monday	9:00-12:00 noon	MWF 2
May 18	2:00- 5:00 p.m.	Physics 2, 42
	7:00-10:00 p.m.	Botany 2
Tuesday	9:00-12:00 noon	TTS 1
May 19	2:00- 5:00 p.m.	French and Spanish 64
	7:00-10:00 p.m.	TTS 7 & Air Science
Wednesday	9:00-12:00 noon	TTS 4
May 20	2:00- 5:00 p.m.	English 2
	7:00-10:00 p.m.	MWF 1
Thursday	9:00-12:00 noon	MWF 5 & MWF 8
May 21	2:00- 5:00 p.m.	Naval Science & Zoology 2
	7:00-10:00 p.m.	MWF 7 & Engineering 2.1-2.4
Friday	9:00-12:00 noon	All Languages 2
May 22	2:00- 5:00 p.m.	Mathematics 21, 64, 84
	7:00-10:00 p.m.	Philosophy 48
Saturday	9:00-12:00 noon	MWF 6 & TTS 5
May 23	2:00- 5:00 p.m.	TTS 2
Monday	9:00-12:00 noon	MWF 3
May 25	2:00- 5:00 p.m.	Mathematics 22, 42
	7:00-10:00 p.m.	TTS 6
Tuesday	9:00-12:00 noon	Religion 2, 2X
May 26	2:00- 5:00 p.m.	MWF 4 & Engineering 2.5-2.8
	7:00-10:00 p.m.	Political Science 12, 62
Wednesday	9:00-12:00 noon	Chemistry 2
May 27	2:00- 5:00 p.m.	History 2, 2X

Chemistry (except Chemistry 2) and Zoology classes meet for examination at the time scheduled for their general lecture period.

ANY EXAMINATION NOT COVERED IN THE FOREGOING SCHEDULE IS TO BE ARRANGED BY THE INSTRUCTOR IN CHARGE OF THE COURSE IN THE PERIOD BEGINNING May 16, 9:00 a.m. AND ENDING May 27, 5:00 p.m. NO EXAMINATION IS TO BE GIVEN BEFORE 9:00 a.m. May 16, WITH THE EXCEPTION OF PHYSICAL EDUCATION. NO CHANGE IS TO BE MADE IN ANY SCHEDULED EXAMINATION WITHOUT THE APPROVAL OF THE COMMITTEE.

University Schedule Committee

WEEK OF

April 26-May 2, 1964

WEEK OF

April 26-May 2, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, April 26

- Denominational Meetings. See special notice.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Colin W. Williams, Executive Director, Department of Evangelism, National Council of Churches of Christ in the U.S.A. Broadcast over Radio Station WDNC and WDNC-FM.
- 3:00 p.m. International Club Picnic. William B. Umstead State Park.
- 4:00 p.m. Chancel Singers Concert. Alice M. Baldwin Auditorium.

### Monday, April 27

- 3:30 p.m. The Final Examination of Mr. Frank Eakin, Jr. for the Ph.D. degree in Religion. Library Conference Room.
- 3:30 p.m. The Final Examination of Mr. Stanislav Zimio for the Ph.D. degree in Romance Languages. Room 125 Allen Building.
- 3:30 p.m. The Final Examination of Mr. Richard L. Capwell for the Ph.D. degree in English. Room 128 Old Biology Building.
- 4:15 p.m. Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Jacques Berger.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.

- 8:15 p.m. Music Department: Senior Piano Recital: Billie Godwin and Diana Bess Montgomery. Music Room, East Duke Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, April 28

- 9:00 a.m. The Final Examination of Mr. Denny Eugene Pilant for the Ph.D. degree in Political Science. Library Conference Room.
- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: The Reverend Odell R. Reuben.
- 11:30 a.m. Engineering Seminar. Room 125 Engineering Building. Speaker: Dr. W. R. Lucas.
- 12:30-1:30 p.m. Faculty and Graduate Students Volleyball.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 4:00 p.m. Committee on International Relations Lecture. Room 136 Social Science Building. Speaker: Professor William E. Scott.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45 p.m. International Club Dinner Meeting. Men's Graduate Center. Speaker: Dr. Weston LaBarre.
- 6:15 p.m. Student Union Boar's Head Banquet. Gothic Room, West Campus Union.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 7:00 p.m. Duke Sailing Club Meeting. 101 West Duke Building.
- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:00 p.m. Student Organ Recital of students of Mrs. Mildred L. Hendrix. Methodist Student Center.

### Wednesday, April 29

- 10:10 a.m. Divinity School Chapel. York Chapel. The Reverend Henry G. Elkins, Jr. Chaplain, North Carolina College.
- 4:00 p.m. Committee of International Relations Lecture. Room 136 Social Science Building. Speaker: Professor William E. Scott.
- 4:00 p.m. Psychology Colloquium. Room 130 Building 9 (Old Biology Building). Speaker: Dr. George Sperling.
- 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Philip Handler.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 7:00 p.m. Engineering Review Lecture. Room 139 Engineering Building. Speaker: Dr. A. S. Wood.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00-10:00 p.m. Student Union Duplicate Bridge Club Meeting. Green Room, East Duke Building. (Final Meeting)
- 7:30 p.m. Bassett Lecture Series: Film-Lecture. Page Auditorium. Speakers: Mr. Samuel Goldwyn, Jr., and Dr. George Garrett.

### Thursday, April 30

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Clay H. Turner.
- 3:00 p.m. The Final Examination of Mr. Donald Paul Snyder for the Ph.D. degree in Philosophy. Room 211A West Duke Building.
- 4:00 p.m. Academic Council Meeting. Room 208 Flowers Building.
- 4:00 p.m. Student American Medical Association Lecture. Hospital Amphitheater. Speaker: Dr. John Reckless.
- 4:15 p.m. Psychology Lecture. Room 130 Old Biology Building. Speaker: Professor Silvan Tomkins.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 6:30 p.m. School of Nursing Alumnae Association Banquet honoring Seniors. Holiday Inn (downtown).
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.

- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. Student Union Young Artists Series: Riverside Chamber Singers. Page Auditorium.

### Friday, May 1

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Thor Hall and Mr. Kenneth Bohannon.
- 3:30 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building.
- 3:30 p.m. Final Examination of William B. Huntley for the Ph.D. degree in Religion. Library Conference Room.
- 4:00 p.m. Committee on International Relations Lecture. Room 136 Social Science Building. Speaker: Professor William E. Scott.
- 4:00-8:00 p.m. Duke Law Day Registration. Jack Tar Hotel. See special notice.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 6:30 p.m. Dinner Meeting of the Alumnae Council of Duke University Alumnae Association. West Campus Union.
- 7:00-9:00 p.m. Marriage Seminar. Green Room, East Duke Building.
- 7:15 p.m. First annual nursing lecture of the School of Nursing Alumnae Association. "Nursing Realities—Nursing Dimensions" by Dr. Helen Nahm. Biological Sciences Building.
- 7:30 p.m. Bowling for Faculty and their families at Sportland. Regular Rates Apply.
- 8:15 p.m. "Studio Opera." Branson Hall.
- 8:30 p.m. Duke Medical School original musical production: "Foxglove." Page Auditorium.

### Saturday, May 2

- 9:00 a.m. The final examination of Mr. Kenneth Brown for the Ph.D. degree in Philosophy. Library Conference Room.
- 10:30-11:45 a.m. Alumnae Council Coffee honoring Mrs. Douglas M. Knight and Dean M. Margaret Ball. Pegram House.
- 11:30 a.m. Dedication of Alice M. Baldwin Auditorium. Speaker: Mrs. Elspeth Davies Rostow.
- 1:00 p.m. Alumnae Luncheon. Woman's College Union. Speaker: Dr. Douglas M. Knight.
- 2:00 p.m. North Carolina Philosophical Society Meeting. Room 139 Social Science Building.
- 1:30-3:30 p.m. University Religious Council: Marriage Seminar. Green Room, East Duke Building.
- 8:15 p.m. Studio Opera. Branson Hall.
- 8:30 p.m. Duke Medical School original musical production: "Foxglove." Page Auditorium.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): **Friday, 6:15 P.M.**, Supper followed by worship and seminar on "The Theology of Worship," to be led by Chaplain Jack Carroll.

**CHRISTIAN SCIENCE ORGANIZATION**: **Tuesday, 6:45 P.M.**, East Duke Chapel. All are welcome.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday, 9:30 A.M.**, Holy Communion; **7:00 P.M.**, Episcopal Faculty Dinner. **Monday, 7:30 P.M.**, Meeting of Episcopal University Council. **Tuesday, 5:15 P.M.**, Inquirer's Class. **Wednesday, 7:10 A.M.**, Holy Communion. **Thursday, 5:30 P.M.**, Holy Communion. **Friday (St. Philip and St. James), 7:10 A.M.**, Holy Communion; **3:15 P.M.**, Seminar on Orthodoxy.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday, 6:30 P.M.**, Green Room, East Duke Bldg., Dialogue between the Reverend Robert Brohm, Grace Lutheran Church, Missouri Synod and the Reverend Donald W. Herb, Regional Secretary of the Division of College and University Work, National Lutheran Council. **Monday, 5:30 P.M.**, Supper meeting, followed by a discussion led by Dr. Tom McCullough; topic: "Christianity and the Social Sciences." **Wednesday, 7:00 A.M.**, Memorial Chapel of Duke Chapel, Communion Service.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 9:00 A.M.**, Seminar: **Honest to God**; **6:00 P.M.**, Evening Prayer; Dialogue sermon on "The Church and the World."

Wesley Players will present William Inge's **Bus Stop**, on Saturday-Monday, May 2, 3, and 4, at 7:45 P.M., at the Methodist Center. Admission will be \$1.25. Proceeds will go to Dr. Harris Proctor of the Political Science Dept., for the purchase of books for the library of the new University of Kenya, where he will be a visiting professor next year. The University community is invited.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 5:30 P.M.**, Ann Smith and her Chapel Hill Dancers will present an interpretation of the 139th Psalm, following a buffet supper.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.**, at the home of Dr. and Mrs. Hans Hillerbrand, 2729 Sevier St.; After supper and a brief business meeting the group will begin a discussion of Dr. Waldo Beach's book, **Conscience on Campus**. **Thursday, 12:40 P.M.**, Luncheon at Gilbert-Addoms.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Colin W. Williams, Executive Director, Department of Evangelism, National Council of Churches of Christ in the U.S.A., will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, April 26th, in the University Chapel. The order of worship follows:

Presiding Minister: The Reverend Professor Barney L. Jones, Assistant Dean, Trinity College.  
Opening Organ Voluntary—"Suite Medievale" Jean Langlais  
Prelude  
Tiento  
Improvisation

Choral Call to Worship—"The Lord Is in His Holy Temple"

Hymn—"Holy, Holy, Holy!"

James Young  
John B. Dykes

The Prayer of Adoration

The Lord's Prayer

Anthem—"My Shepherd Will Supply My Need"

Arr. by Virgil Thomson

Scripture Lesson

Hymn—"All Hail the Power of Jesus' Name!"

Oliver Holden

Call to Prayer

The Pastoral Prayers of Confession, Thanksgiving, Intercession and Petition

The Offering

Offertory Organ Interlude

Anthem—"And Then Shall Your Light Break Forth"

from *Elijah*

Mendelssohn

Response—"The Doxology"

Prayer of Dedication

Sermon

Prayer

Benediction

Choral Response—"Amen"

James Young

The Chimes

Closing Organ Voluntary—Toccata

Saint-Saens

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, May 3rd, is the Reverend Dr. Thor Hall, Assistant Professor of Preaching and Theology in the Divinity School.

## INTERNATIONAL CLUB PICNIC

The International Club will have a picnic in the William B. Umstead State Park on Sunday, April 26th at 3:00 p.m. The cost will be 50¢ per person and reservations should be made through the International Student Office, 207-A Flowers Building, extension 2767. Transportation will be provided for those requesting it. All interested persons are welcome.

## CHANCEL SINGERS CONCERT

The Chancel Singers of Duke University will present their annual concert on Sunday, April 26th at 4:00 p.m. in the Alice M. Baldwin Auditorium. The program follows:

- I. Motet VI (Psalm 117) by J. S. Bach
- II. Symphony of Psalms by Igor Stravinsky
- III. Four songs from 'The Hour Glass' by Irving Fine
- IV. Music for the Office of Tenebrae by James Young

Soloists are:

Sally Baker, Soprano

Ron Steed, Baritone

Denny White and Glenn Tyndall, Readers

James Young, Conductor

Ruth Phelps and Nancy Goodwin, Accompanists

The music for Office of Tenebrae was composed in 1960 especially for use at King's Chapel, Boston. It has been performed there annually on Good Friday ever since. The concert version to be presented by the Chancel Singers marks the first performance of this work outside of King's Chapel.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Frank Eakin, Jr. for the Ph.D. degree in Religion will be held on Monday, April 27th at 3:30 p.m. in the Library Conference Room. The subject of Mr. Eakin's dissertation is



"The Relationship of Yahwism and Baalism During the Pre-Exilic Period." The committee to conduct the examination consists of Professors William Stinespring, Hugh Anderson, James Price, John Strugnell, and Robert Rogers, Minor. Professor Stinespring will preside.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Stanislav Zimic for the Ph.D. degree in Romance Languages will be held on Monday, April 27th at 3:30 p.m. in Room 125 Allen Building. The subject of Mr. Zimic's dissertation is "Cervantes, Lector de Aquiles Tacio Y de Alonso Nunez de Reinoso." The committee to conduct the examination consists of Professors R. L. Predmore, Margaret Ball, Clifton Cherpack, Gifford Davis, and J. R. Castellano. Professor Predmore will preside.

### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, April 27th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Jacques Berger, Department of Zoology, will speak on "The Ciliate Fauna of Echinoids: A Study of a Commensal Association." Coffee and tea will be served in the foyer.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Denny Eugene Pilant for the Ph.D. degree in Political Science will be held on Tuesday, April 28th at 9:00 a.m. in the Library Conference Room. The subject of Mr. Pilant's dissertation is "A Peaceful Dilemma: American Civilians Accompanying the Armed Forces Abroad." The committee to conduct the examination consists of Professors Robert S. Rankin, Robert H. Connery, J. Harris Proctor, John H. Hallowell, and Richard L. Watson, Jr. Professor Rankin will preside.

### ENGINEERING SEMINAR

Dr. W. R. Lucas, Chief of the Materials Division of the Propulsion and Vehicle Engineering Laboratory, George C. Marshall Space Flight Center in Huntsville, Alabama, will be the next guest speaker in the 1963-64 series of seminars sponsored by the Duke College of Engineering. He will speak in Room 125 Engineering Building, on Tuesday, April 28th at 11:30 a.m. The subject of Dr. Lucas' address will be "Materials Engineering in Rocket Systems and Space Vehicles." The public is invited to attend.

### INTERNATIONAL CLUB MEETING

The International Club will have a dinner-discussion meeting on Tuesday, April 28th at 5:45 p.m. in the Men's Graduate Center. Dr. Weston LaBarre, Professor of Anthropology, will speak on "Anthropology and Cultural Differences" at 6:30 p.m.

All interested persons are welcome, either before or after dinner.

### MUSIC DEPARTMENT SENIOR PIANO RECITAL

The Department of Music will present a senior piano recital by Billie Godwin and Diana Bess Montgomery on Monday, April 27th at 8:15 p.m. in the Music Room, East Duke Building. Both Miss Godwin and Miss Montgomery are students of Loren Withers. The University Community and the general public are cordially invited to attend. The program will be as follows:

Prelude and Fugue in F-flat Minor, WTC I	Bach
Miss Montgomery	
French Suite No. 6 in E Major	Bach
Allemande	
Courante	
Sarabande	
Gigue	
Miss Godwin	
Concerto in C Major, K.467	Mozart
First Movement: Allegro	
Miss Montgomery	
(Orchestral accompaniment by Mr. Withers)	
Sonata in E Major, Op. 109	Beethoven
Vivace ma non Troppo; Adagio Espressivo	
Prestissimo	
Andante Molto Cantabile ed Espressivo	
Miss Godwin	
Nocturne in C-sharp Minor, Opus 27, No. 2	Chopin
Prelude from the Suite pour le piano	Debussy
Miss Montgomery	
Intermezzo in A Major, Opus 118, No. 2	Brahms
Assez modéré, from "Mouvements perpétuels"	Poulenc
Miss Godwin	

### COMMITTEE ON INTERNATIONAL RELATIONS LECTURE WILLIAM E. SCOTT

Professor William E. Scott, of the Department of History, will give a series of lectures on "Problems of the origins of the Second World War" at 4:00 p.m. on April 28th, 29th and May 1st in Room 136 Social Science Building. The subjects will be: Tuesday, April 28th, "The Responsibility of Adolf Hitler"; Wednesday, April 29th, "British Policy Towards Hitler"; and Friday, May 1st, "French Policy Towards Hitler."

These lectures are sponsored by the Committee on International Relations at Duke University whose function is to promote research and teaching in international relations and to administer a grant from the Ford Foundation for this purpose.

Professor Scott has recently published his book, **Alliance Against Hitler; the Origins of the Franco-Soviet Pact** (Duke University Press), and is now engaged in a general study of the origins of World War II.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Richard L. Capwell for the Ph.D. degree in English will be held on Monday, April 27th at 3:30 p.m. in Room 128 Old Biology Building. The subject of Mr. Capwell's dissertation is "A Biographical and Critical Study of John Crowne." The committee to conduct the examination consists of Professors Charles E. Ward, S. K. Heninger, Jr., C. Richard Sanders, and Paul Welsh. Professor Ward will preside.

### DUKE SAILING CLUB MEETING

The Duke Sailing Club will meet on Tuesday, April 28th in 101 West Duke Building at 7:00 p.m. to elect officers for the coming school year. All members are urged to be present.

### STUDENT ORGAN RECITAL STUDENTS OF MILDRED HENDRIX

A Student Organ Recital by students of Mrs. Mildred L. Hendrix, Assistant Professor of Music, will be presented on Tuesday evening, April 28th, at 8:00 p.m. in the Methodist Student Center. The University Community and the general public are cordially invited to attend.

The program will be as follows:

"We All Believe in One God, Creator" (The Giant Fugue)	William Trexler	<i>J. S. Bach</i>
Fantasie in G Minor	Annette Brisendine	<i>J. S. Bach</i>
"As Jesus Stood Beside the Cross"	Susan Blount	<i>Samuel Scheidt</i>
Variations on "My Young Life Hath an End"	John Simpson	<i>Peter Sweelinck</i>
"In Thee Is Gladness"	Jackie Ward Emlet	<i>J. S. Bach</i>
Toccata from "Suite Gothique"	J. Schmidt	<i>Leon Boëllmann</i>
"In Death's Strong Grasp the Saviour Lay"	Pauline Bower	<i>J. S. Bach</i>
Prelude and Fugue in E minor (the Cathedral)	Jere Farrah	<i>J. S. Bach</i>
"O Man Bewail Thy Grievous Fall"	Alice Williams	<i>J. S. Bach</i>
Prelude and Fugue in G minor	Marie McClure	<i>Dietrich Buxtehude</i>
Toccata	Terry Scott	<i>Marius Monnikendam</i>

### PSYCHOLOGY COLLOQUIUM

The Psychology Colloquium will be held on Wednesday, April 29th, at 4:00 p.m. in Room 130 Building 9 (Old Biology Building). Dr. George Sperling, Bell Telephone Laboratories, and Visiting Associate Professor in the Psychology Department for the spring semester, will speak on "Short Term Memory."

### BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, April 29th at 4:15 p.m. in the Auditorium of the Biological Sciences Building, West Campus. Dr. Philip Handler of the Department of Biochemistry will speak on "Electron Transfer in Photosynthesis."

Professor Handler, a native of New York, received his B.S. degree at City College in 1936. Following graduate training at the University of Illinois he came to Duke as an instructor in Physiology and Nutrition. Over the years he has had a distinguished career in serving national organizations, including a term as Chairman of the Biochemistry Study Section of N.I.H., member of Medical Research Facilities Panel of N.S.F., Atomic Energy Commission, National Research Council, etc. Professor Handler is chairman of the Department of Biochemistry and most recently has been appointed to President Johnson's Scientific

Advisory Panel. His research interests have centered around biological oxidations and enzyme action.

Refreshments will be served in the foyer at 4:00 p.m.

### ENGINEERING REVIEW LECTURE

The Engineering Review Lecture will be held on Wednesday, April 29th at 7:00 p.m. in Room 139 Engineering Building. Dr. A. S. Wood will lecture on "Fluids."

### BASSETT LECTURE SERIES FILM SHOWING AND LECTURE

On Wednesday, April 29th at 7:30 p.m. in Page Auditorium, the Bassett Lecture Series Committee and Quadrangle Pictures will present a free pre-release, full length film entitled, "The Young Lovers." This film, based on a script written by Dr. George Garrett at the University of Virginia, was directed and produced by Sam Goldwyn, Jr.

Dr. Garrett and Mr. Goldwyn are now touring the country, pre-releasing this film at a number of campuses. The film will be preceded by a short lecture by Dr. Garrett and Mr. Goldwyn on the "Film Process," and followed by an open discussion of the film and film-making in general.

This series of lectures on "The Young Lovers," which started at Princeton last year, has been very well received, and the discussions of it have been lively and informative. Mr. Goldwyn will probably release the movie to the public this summer.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Donald Paul Snyder for the Ph.D. degree in Philosophy will be held on Thursday, April 30th at 3:00 p.m. in Room 211A West Duke Building. The subject of Mr. Snyder's dissertation is "Causation, Predication, and Modal Logic." The committee to conduct the examination consists of Professors R. L. Clark, Charles Baylis, Bernard Peach, Marshall Spector, and Joseph R. Shoenfeld. Professor Clark will preside.

### ACADEMIC COUNCIL MEETING

Because of the general Faculty Meeting called for April 23rd, the next monthly meeting of the Academic Council will take place one week later than usual, on Thursday, April 30th in Room 208 Flowers Building at 4:00 p.m. The agenda will include the following items:

1. Discussion of problems associated with appointment and promotion of academic staff members, led by Professors W. G. Anlyan, H. A. Fairbank, M. E. Hobbs, and E. C. Horn.
2. Discussion by the Council of the report presented by its Committee on Faculty and Staff Housing, Professor R. L. Watson, Jr., Chairman.

If unable to attend, please give advance notice to the Secretary (extension 2214; 136 Engineering Building.)



# STUDENT UNION—YOUNG ARTISTS SERIES PRESENTS "THE RIVERSIDE CHAMBER SINGERS"

The Student Union's Young Artists Series will present "The Riverside Chamber Singers" on Thursday, April 30th at 8:15 p.m. in Page Auditorium. Trained originally by Norman Lloyd of the Juilliard faculty, the Riverside Chamber Singers group is composed of six young soloists performing unaccompanied. Their repertoire ranges from the madrigal schools of the 15th and 16th centuries to 20th century compositions. They began their group singing as a class project at Juilliard, an experiment which was so successful that they were persuaded to become a professional group in 1958; since that time they have been received with great enthusiasm by both critics and the general public. The New York Times describes their singing as "a fine display of musicianship, teamwork, and just plain musical delight."

Tickets are all non-reserved and are priced at \$.75 for all students, and \$1.00 for others; they are available in 202A Flowers Building, and at the Page Box Office from 6:30 p.m. on the evening of the concert. Included in the group are: Alan Baker, baritone; Barbara Crouch, mezzo-soprano; Eileen Laurence, soprano; James Bratcher, tenor; Joan Mey, soprano; and Anthony Tamburello, bass-baritone. The program follows:

I  
Quem vidistis pastores Richard Deering (1580-1630)  
So fahr ich hin Heinrich Schutz (1585-1672)  
Hosanna to the Son of David Thomas Weelkes (1575-1623)

II  
Haiku Set (five modern madrigals on  
Japanese miniature poems) Michael Miller (1931- )  
Art  
Temple Bell  
Cuckoo  
Summer Grass  
Yoshino

III  
Tu m'uccidi, o crudele Gesualdo di Venoso (1560-1631)  
Dolcissima mia vita  
Ecco Moriolo Dunque (prima parte)  
Mai, gia nui discoloro (seconda parte)  
Itene o miei sospiri

## INTERMISSION

IV  
Lady, when I behold John Wilbye (1574-1638)  
Have I found her? Thomas Bateson (1570-1630)  
The nightingale, the organ  
of delight Thomas Weelkes (1575-1623)  
The Silver Swan Orlando Gibbons (1583-1625)  
This sweet and merry month William Byrd (1543-1603)

V  
To the Girl With the Little  
Bean Nose Thomas Wogner (1932- )

VI  
Vamos al portal Francisco Guerrero (1571-1599)  
(Villanesca) (16th century anonymous)  
Dadme albricias hijos d'Eva Cristobal de Morales (1500-1553)  
O Magnum mysterium (16th century anonymous)  
Riu, riu chiu

## STUDENT AMERICAN MEDICAL ASSOCIATION MEETING

An open discussion will be held by the Student American Medical Association on Thursday, April

30th at 4:00 p.m. in the Hospital Amphitheatre. Dr. John Reckless will speak on the topic, "Is Socialized Medicine Inevitable?" The public is cordially invited to attend.

## PSYCHOLOGY LECTURES

The Department of Psychology will sponsor two lectures on "Reflections on the Nature of Man," by Professor Silvan Tomkins, Princeton University, on Thursday, April 30th and Thursday, May 7th. On April 30th Professor Tomkins will speak on "Homo Papiens," and the title of his lecture on May 7th will be "Ideology and Personality." Both lectures will be held in Room 130 Building 9 (Old Biology Building) at 4:15 p.m.

Professor Tomkins is presently Professor of Psychology at Princeton University, having taken his degree at the University of Pennsylvania where he trained in both Psychology and Philosophy. Prior to his appointment at Princeton, he was a member of the Harvard faculty. His most recent work concerns the importance of the affective system in a theory of man. The public is invited to attend.

## LAW DAY—DUKE UNIVERSITY LAW SCHOOL

Law Day will be held at the Duke Law School on Friday and Saturday, May 1st and 2nd. The program will feature a symposium on the topic: "Effective Appellate Advocacy," including The Honorable Robert A. Leflar of the Arkansas School of Law as moderator; Col. W. T. Joyner of Raleigh, N. C.; The Honorable H. R. Medina, retired, of the Court of Appeals for the Second Circuit; and James C. Davis of Cleveland, Ohio. Also featured will be the Law Day 1964 Banquet with speaker: Arthur Dean, senior partner in the firm of Sullivan and Cromwell, New York, and representative of the U.S. at the nuclear test ban negotiations, speaking on the topic: "Communism and the Western World." An announcement will be made regarding the election of one honorary member to Order of Coif, and the newly elected officers of the Law Alumni Association will be recognized at the Banquet. Reception and dance will follow in the Jack Tar Hotel. The schedule of events will be as follows:

Friday, May 1st	
4:00-8:30 p.m.	Registration at Jack Tar Hotel.
6:30 p.m.	Class of '39—25th Reunion Banquet, Schrafft's Country Inn
	Class of '54—10th Reunion Banquet, Schrafft's Country Inn.
8:30-10:00 p.m.	Reception at Law School
9:00-10:00 p.m.	Registration at the Law School
Saturday, May 2nd	
8:30-9:30 a.m.	Registration at the Law School
9:00-12:00 noon	Symposium: "Effective Appellate Ad- vocacy" in the Courtroom
10:00-12:00 noon	Law Dames Fashion Show for all wives. Washington Duke Room, Jack Tar.
12:30 p.m.	Annual Luncheon Meeting Law Alumni Association Union Ballroom
3:00 p.m.	Duke Law School Moot Court Finals. Courtroom
6:00-7:00 p.m.	Reception at Jack Tar Hotel
7:00-9:00 p.m.	Banquet at Durham Civic Center
9:30 p.m.-1:00 a.m.	Dance at Jack Tar Hotel

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. William B. Huntley for the Ph.D. degree in Religion will be held on Friday, May 1st at 3:30 p.m. in the Library Conference Room. The subject of Mr. Huntley's dissertation is "Christ the Bridegroom: A Theological and Historical Study of a Biblical Image." The committee to conduct the examination consists of Professors Hugh Anderson, James Price, William Stinespring, John Strugnell and Robert Rogers, Minor. Professor Anderson will preside.

## DEPARTMENT OF MUSIC AND DUKE PLAYERS—STUDIO OPERA

The Department of Music and the Duke Players will present "Studio Opera," an opera workshop production of scenes from "The Magic Flute," "The Marriage of Figaro," "The Barber of Seville," "Hansel and Gretel," and "Il Trovatore" on Friday and Saturday, May 1st and 2nd in Branson Hall. Musical directors will be John Hanks and Ruth Friedberg; stage directors will be Kenneth Reardon and Victor Michalak. Accompanists will be Ruth Friedberg, piano, and Frank Glass, celesta. There is no charge for admission, and the University Community and general public are cordially invited. The program will be as follows:

I		
Hansel and Gretel		<i>Humperdinck</i>
a. Act I, Scene I		
b. Act I, Scene III		
	Hansel, Sally Blackwell	
	Gretel, Karen Lundry	
	Sandman, Nancy Temple	
II		
The Magic Flute		<i>Mozart</i>
Duet from Act II Finale		
	Pagageno, William Stone	
	Pagagena, Nancy Temple	
III		
The Marriage of Figaro		<i>Mozart</i>
a. Act I, Scene I		
b. Act II, Scenes I & II		
	Figaro, Ronald Steed	
	Susanna, Karen Lundry	
	Cherubino, Sally Blackwell	
	The Countess, Marjorie Randolph	
	The Count, Riley Brown	
IV		
The Barber of Seville		<i>Rossini</i>
Act II, Scene I		
	Rosina, Elizabeth Minus	
	Figaro, Ronald Steed	
	Dr. Bartolo, Frank Glass	
	Don Basilio, Charles Smith	
	Servants, Nancy Temple and	
	William Stone	
V		
Il Trovatore		<i>Verdi</i>
Act IV, "Miserere Scene"		
	Ruiz, William Stone	
	Leonora, Marjorie Randolph	
	Maurico, John Hanks	

## RENTAL OF ACADEMIC APPAREL

Members of the Faculty and Staff desiring to rent cap, gown or hood for commencement exercises, June 1st, should place their orders with Duke University Stores prior to Monday, May 11th. Delivery on

Orders placed after this date cannot be assured. For information or ordering call extension 2344.

## "FOXGLOVE"

### DUKE MEDICAL CENTER PRESENTATION

The School of Medicine will present "Foxglove," an original musical comedy written and directed by Wayne Barber, MD, '64, and produced by Herb Goldman, '60. The musical satire on the medical profession is considered appropriate entertainment for the entire family. The only presentation of "Foxglove" will be in Page Auditorium on Friday and Saturday, May 1st and 2nd at 8:30 p.m. All seats are reserved at one dollar and a limited number of seats remain. Tickets may be purchased in the lobby of the Medical School Building from 10:30 a.m. to 1:30 p.m. daily and at the Page Auditorium Box Office from 2:00-5:00 on April 27th through 30th. Reservations may also be made by calling extension 2911.

"Foxglove," featuring 18 original songs, a small orchestra, is fully staged and promises to be a memorable milestone in University entertainment.

Selected musical numbers from "Foxglove" will be performed on WTVD, Channel 11. Segments of the Ken Corbett Show at 7:00 a.m. on Tuesday, April 28th and a portion of the "At Home with Peggy Mann Show" at 1:00 p.m. on Wednesday, April 29th will be devoted to selections from "Foxglove."

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Kenneth Brown for the Ph.D. degree in Philosophy will be held on Saturday, May 2nd at 9:00 a.m. in the Library Conference Room. The subject of Mr. Brown's dissertation is "Washington Gladden: Exponent of Social Christianity." The committee to conduct the examination consists of Professors Stuart Henry, Waldo Beach, Hans Hillerbrand, Ray Petry and John Hallowell. Professor Henry will preside.

## PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar on Friday, May 1st, at 3:30 p.m. Dr. Annemarie Weber, Institute for Muscle Disease, Inc., New York, will speak on the subject: "The Regulation of Myofibrillar Contraction by Ca."

## DEDICATION OF THE ALICE M. BALDWIN AUDITORIUM, EAST CAMPUS

The Woman's College Auditorium will be dedicated in memory of the late Alice M. Baldwin, first dean of the Woman's College, on Saturday, May 2nd, at 11:30 a.m. A native New Englander with degrees from Cornell and Chicago, Dr. Baldwin came to Duke in 1924 as Dean of Women and assistant professor of history. As first Dean of the Woman's College, she was instrumental in shaping policies giving women an equal status at Duke. The program will include an address by Elspeth Davies Rostow, Professor of History at American University, whose subject will be "Ideas in



Action: 1964." Professor Emeritus of History, William T. Laprade, will give a tribute to Dean Baldwin; President Knight will dedicate the auditorium; and Professor Emeritus of Religion, Hersey E. Spence, will conclude the ceremony with a dedicatory prayer. The public is cordially invited to attend.

### NORTH CAROLINA PHILOSOPHICAL SOCIETY MEETING

The North Carolina Philosophical Society will meet on Saturday, May 2nd at 2:00 p.m. in Room 139 Social Science Building.

### ADVANCE NOTICE ERASMUS CLUB MEETING

The Erasmus Club will meet on Monday, May 4th, at 8:00 p.m. in the Green Room, East Duke Building. Professor Alexander Hull of the Department of Romance Languages will speak on "The Structure of the Canadian French Consonant System." Everyone is cordially invited.

### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application at once.

### STUDENT UNION PHOTOGRAPHY CONTEST

The Fine Arts Committee of the Student Union announces the 1963-64 Student Union All-Campus Photographic competition-exhibition. The exhibit may be viewed in the Alumni Lounge, West Union Building through the end of the month.

Awards include, in the Black and White Division:

- |           |               |
|-----------|---------------|
| 1st Place | Frank Hughes  |
| 2nd Place | Frank Hughes  |
| 3rd Place | Barry Henline |

Five Honorable Mention Awards to:

Barry Henline, Bruce Schlein, David L. Rayfield, Robert L. Kendall, and Ansonio Marras.

In the Color Transparency Division the winners are:

- |           |                   |
|-----------|-------------------|
| 1st Place | Robert L. Kendall |
| 2nd Place | Joe Richardson    |
| 3rd Place | Paul Sedar        |

Three Honorable Mention Awards:

- 1—Robert L. Kendall
- 2—Ausionio Marras

### GERMAN EXAMINATION FOR CANDIDATES FOR GRADUATE DEGREES

The German examinations for candidates for graduate degrees will be given on April 27th through May 1st.

### ADVANCE NOTICE JOSIAH C. TRENT LECTURE

The annual Josiah C. Trent lecture in the history of medicine will be held on Monday, May 4th at 8:15 p.m. in the Auditorium, Biological Sciences Building. Dr. Charles Donald O'Malley, Ph.D. will speak on "Dionisio Daza Chacon, a 16th Century Spanish Surgeon." Dr. O'Malley is Head of the Department of the History of Medicine at U.C.L.A. The general public is cordially invited to attend.

### DUKE UNIVERSITY OFFICIAL EXAMINATION SCHEDULE

#### Spring Semester 1964

ANY STUDENT WISHING TO PETITION FOR RELIEF FROM THREE EXAMINATIONS WITHIN TWENTY-FOUR HOURS OR TWO EXAMINATIONS AT THE SAME TIME MUST REPORT TO HIS DEAN'S OFFICE *NOT LATER THAN APRIL 24, 1964*, TO REQUEST A CHANGE IN SCHEDULE.

Thursday May 14	7:00- 8:00 p.m.	Physical Education
Friday May 15	Reading Period	No Examination Scheduled
Saturday May 16	9:00-12:00 noon 2:00- 5:00 p.m.	TTS 3 Economics 52
Monday May 18	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 2 Physics 2, 42 Botany 2
Tuesday May 19	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 1 French and Spanish 64 TTS 7 & Air Science
Wednesday May 20	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 4 English 2 MWF 1
Thursday May 21	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 5 & MWF 8 Naval Science & Zoology 2 MWF 7 & Engineering 2.1-2.4
Friday May 22	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	All Languages 2 Mathematics 21, 64, 84 Philosophy 48
Saturday May 23	9:00-12:00 noon 2:00- 5:00 p.m.	MWF 6 & TTS 5 TTS 2
Monday May 25	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 3 Mathematics 22, 42 TTS 6
Tuesday May 26	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Religion 2, 2X MWF 4 & Engineering 2.5-2.8 Political Science 12, 62
Wednesday May 27	9:00-12:00 noon 2:00- 5:00 p.m.	Chemistry 2 History 2, 2X

Chemistry (except Chemistry 2) and Zoology classes meet for examination at the time scheduled for their general lecture period.

ANY EXAMINATION NOT COVERED IN THE FOREGOING SCHEDULE IS TO BE ARRANGED BY THE INSTRUCTOR IN CHARGE OF THE COURSE IN THE PERIOD BEGINNING May 16, 9:00 a.m. AND ENDING May 27, 5:00 p.m. NO EXAMINATION IS TO BE GIVEN BEFORE 9:00 a.m. May 16, WITH THE EXCEPTION OF PHYSICAL EDUCATION. NO CHANGE IS TO BE MADE IN ANY SCHEDULED EXAMINATION WITHOUT THE APPROVAL OF THE COMMITTEE.

University Schedule Committee

WEEK OF  
May 3-9, 1964

# CALENDAR

WEEK OF  
May 3-9, 1964

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, May 3

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Thor Hall. Sermon: "An Instrument of God." Broadcast over Radio Station WDNC and WDNC-FM.

3:00 p.m. Guest Carillon Recital Program: Ronald Barnes.

7:45 p.m. William Inge's "Bus Stop." Methodist Student Center.

### Monday, May 4

3:30 p.m. The Final Examination of Mr. Richard H. Petersen for the Ph.D. degree in Religion. Library Conference Room.

4:15 p.m. Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Mr. Jonathan L. Richardson.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30-8:30 p.m. Student Union Sidewalk Art Exhibit: Deadline for entries. Room 105 West Union Building. (Open to all University Community.)

5:00 p.m. Faculty Volleyball. Indoor Stadium.

5:45 p.m. Final Meeting of University Religious Council. Men's Graduate Center.

7:45 p.m. William Inge's "Bus Stop." Methodist Student Center.

8:00 p.m. Erasmus Club Meeting. Green Room, East Duke Building. Speaker: Professor Alexander Hull.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

8:15 p.m. Josiah C. Trent Lecture, Auditorium, Biological Sciences Building. Speaker: Dr. Charles Donald O'Malley.

### Tuesday, May 5

9:30 a.m.-4:30 p.m. Student Union Sidewalk Art Exhibit. West Quadrangle.

10:10 a.m. Divinity School Chapel. York Chapel. Professor Kenneth W. Clark.

12:30 p.m. Faculty and Graduate Students Volleyball.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.

4:00 p.m. Classical Studies Lecture. Room 208 Flowers Building. Speaker: Professor Frank W. Walbank.

4:15-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.

8:00 p.m. Sigma Xi Lecture. Biological Sciences Building Auditorium. Speaker: Dr. Paul M. Gross.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



8:15 p.m. Music Department: Senior Piano Recital: Lydia Cantrell and John Holt. Music Room, East Duke Building.

### Wednesday, May 6

- 9:30 a.m. Final Examination of Mrs. Margaret Jaeger Wallace for the Ph.D. degree in Education. Room 08A West Duke Building.
- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Kenneth W. Clark.
- 11:00 a.m. Divinity School Lecture. York Chapel. Speaker: President Douglas M. Knight.
- 2:30 p.m. The Final Examination of Mr. Chien Ping Lee for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.
- 4:00 p.m. Classical Studies Lecture. Room 208 Flowers Building. Speaker: Professor Frank W. Rathbone.
- 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Mr. John Boyer.
- 4:30 p.m. Joint Psychology Colloquium. Room 130 Building 9. Speaker: Dr. Morton Deutsch.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 109 Asbury Building.
- 6:45 p.m. Gothic Bookshop Book and Art Auction. Room 208 Flowers Building.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 p.m. Quadrangle Pictures. Page Auditorium. "Black Like Me" A pre-release showing of a film based on the book of the same title authored by John Howard Griffin. A discussion led by the film Producer and the Psychological Consultant will immediately follow. (Note: One showing only)

### Thursday, May 7

- 9:30 a.m. The Final Examination of Mr. Anthony C. Fortosis for the Ph.D. degree in Education. Room 08A West Duke Building.
- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Wayne Smith.
- 2:30 p.m. The Final Examination of Mr. David E. Smith for the Ph.D. degree in Political Science. Room 201 Allen Building.
- 4:00 p.m. Mathematics Seminar. Room 114 Physics Building. Speaker: Dr. Reese T. Prosser.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. J. J. Hermans.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Friday, May 8

- 9:30 a.m. The Final Examination of Mr. Lewis Dunbar Dove for the Ph.D. degree in Botany. Room 140 Biological Sciences Building.
- 9:45 a.m. Joint Meeting of North Carolina Section of American Society of Civil Engineers. College of Engineering.
- 10:10 a.m. Divinity School Chapel. York Chapel.
- 2:00 p.m. The Final Examination of Mr. James R. Coleman for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.
- 3:00 p.m. The Final Examination of Mr. Jon Nelson Moline for the Ph.D. degree in Philosophy. Library Conference Room.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 7:30 p.m. Bowling for Faculty and their families at Sportland. Regular Rates Apply.
- 8:15 p.m. Music Department: Student Chamber Music and Organ Recital. Alice M. Baldwin Auditorium.

### Saturday, May 9

- 10:30 a.m. The Final Examination of Mr. Philip Eugene Miller for the Ph.D. degree in Chemistry. Room 01 Chemistry Building.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "The Seventh Seal" written and directed by Sweden's Ingmar Bergman. Acclaimed throughout the world as one of the greatest films in the history of the cinema. "A piercing and powerful contemplation of the passage of man upon this earth"—Crowther, *New York Times*. Special prize—Cannes Film Festival.

#### DENOMINATIONAL ANNOUNCEMENTS

BAPTIST CENTER (Chaplain James W. Stines): Sunday, 1:30 P.M., Rides leave East and West circles for the program at Murdoch School in Butner. Friday, 6:15 P.M., Supper, followed by seminar on "The Theology of Worship," led by Chaplain Jack Carroll. Saturday, Baptist Student Union Social honoring graduating seniors. Come by the Center or phone 286-6097 if you plan to attend.

CHRISTIAN SCIENCE ORGANIZATION: Tuesday, 6:45 P.M., East Duke Chapel. All are welcome. EPISCOPAL CENTER (Chaplain W. Robert Mill): Sunday (Rogation Sunday), 9:30 A.M., Holy Communion. Monday (Rogation), 7:10 A.M., Holy Communion. Tuesday (Rogation), 7:10 A.M., Holy Communion; 5:15 P.M., Inquirers' Class. Wednesday,

(Rogation), 7:10 A.M., Holy Communion. **Thursday** (Ascension Day), 7:10 A.M., Holy Communion.

There will be a service of Baptism, Confirmation and Choral Eucharist on **Thursday** at 5:30 P.M. There will be a picnic following the service. All members of the University community are cordially invited.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, 6:30 P.M., Green Room, East Duke Building, Dr. Hans Hillerbrand will speak on, "Luther and Problems of Social Science." **Monday**, 5:30 P.M., M. G. C., Supper, followed by a discussion of Camus' *The Stranger*.

**METHODIST CENTER** (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday**, 6:00 P.M., Evening Prayer and Holy Communion. **Tuesday**, 1:15 P.M., Rides leave Chapel steps and East circle for Methodist Center Council meeting at home of Jack Carroll.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday**, 5:30 P.M., Buffet Supper, Worship and Election of Officers.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, 5:30 P.M., Home of Dean and Mrs. Robert L. Dickens, 2717 Circle Drive. After supper and a brief business meeting the group will continue discussion of Dr. Waldo Beach's book *Conscience on Campus*. Transportation will leave the Chapel steps and the East Campus circle at 5:15 P.M. **Thursday**, 12:40 P.M., Luncheon at Gilbert-Addoms.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Thor Hall will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, May 3rd in the University Chapel. His subject will be "An Instrument of God." The order of worship follows:

Presiding Minister: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University.

Lector: Mr. C. C. ("Trudge") Herbert, III, President, Fellowship of Christian Athletes.

Opening Organ Voluntary—Prelude in F minor *Handel*  
Kleine, Praludien und Intermezzi *Schroeder*

I Maestoso

IV Allegretto

V Andantino

Choral Call to Worship—"The Lord Is in His Holy Temple"

*James Young*

Hymn—"Come, Thou Almighty King" *Felice de Giardini*

The Prayer of Adoration

The Lord's Prayer

Anthem—"Kyrie" *James Young*

Scripture Lesson

Hymn—"Spirit of God, Descend Upon My Heart" *Frederick C. Atkinson*

Call to Prayer

The Pastoral Prayers of Confession, Thanksgiving, Intercession and Petition

The Offering

Offertory Organ Interlude

Anthem—"Thanks be to God" (from *Elijah*) *Mendelssohn*

Response—The Doxology

Prayer of Dedication

Sermon—"An Instrument for God"

Prayer

Benediction

Choral Response—"Amen"

The Chimes  
Closing Organ Voluntary—Carillon

*James Young*  
*Vierne*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, May 10th, is the Reverend Dr. Eric C. Rust, Professor of Christian Philosophy, Southern Baptist Theological Seminary, Louisville, Kentucky.

### WESLEY PLAYERS PRESENT "BUS STOP"

Wesley Players will present William Inge's *Bus Stop*, the highly successful three act romantic comedy on Saturday, Sunday and Monday, May 2-4, at 7:45 P.M. at the Methodist Center. Admission is \$1.25. Proceeds will go to Dr. Harris Proctor of the Political Science Department, for the purchase of books for the library of the new Royal College, Nairobi, Kenya. Dr. Proctor will be visiting professor there next year.

The play, directed by Bob Linblad, concerns a bus load of people, stranded overnight in a snow storm at a bus stop. What happens to them as they come to understand themselves and relate to each other makes for an entertaining and provocative evening.

### GUEST CARILLON RECITAL RONALD BARNES

Ronald Barnes, distinguished carillonneur of Washington Cathedral in the nation's Capitol, will present a recital at 3:00 p.m. on Sunday afternoon, May 3rd, on the fifty bell carillon in the Duke Chapel. Recognized as a recitalist of first class calibre and genuine artistry, Mr. Barnes has also established himself as a foremost authority in the field of early carillon music. He has recently edited for publication the complete works of Matthias van den Gheyn. Among other distinctions, Mr. Barnes is currently the president of the Guild of Carillonneurs of North America. The public is cordially invited to hear the recital which may best be heard from the far end of the main Quadrangle.

The program follows:

Introduction and Toccata.....William Walond

Suite for Guitar (1686).....Robert de Visee

Prelude

Allemande

Courante

Sarabande

Gavotte

Menuet I & II

Bourree

Gigue

Four German Dances, K.602.....Wolfgang Amadeus Mozart

Slow Dance for Carillon (1956).....Roy Hamlin Johnson

Three Designs for Carillon (1961).....Milford Myhre

Three Short Pieces for Carillon (1959).....Jean Miller

Air

Lullaby

Chantey

Sonatine for Carillon (1956).....Sjef Van Balkom

Andante

Allegretto

Adagio

Allegro



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## DEPARTMENT OF MUSIC AND DUKE PLAYERS OPERA WORKSHOP

The Department of Music and the Duke Players will present an opera workshop in studio opera on Friday and Saturday, May 1st and 2nd at 8:30 p.m. in Branson Hall. Selections from "The Marriage of Figaro," "The Magic Flute," "The Barber of Seville," and "Hansel and Gretel," will be presented. There will be no admission charge and the University Community and the general public are cordially invited to attend.

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## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Richard H. Petersen for the Ph.D. degree in Religion will be held on Monday, May 4th at 3:30 p.m. in the Library Conference Room. The subject of Mr. Petersen's dissertation is "The Treatise of Dionysius Bar Salibi Against the Jews, a Translation and Commentary." The committee to conduct the examination consists of Professors William Stinespring, John Strugnell, Hugh Anderson, Kenneth Clark, and Robert Rogers (minor). Professor Stinespring will preside.

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## ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, May 4th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Mr. Jonathan L. Richardson, Department of Zoology, will speak on "Lakes and Lake History in East Africa" or "With Livingstone to the Sources of the Nile." Coffee and tea will be served in the foyer at 4:00.

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## UNIVERSITY RELIGIOUS COUNCIL MEETING

The final meeting of the Duke University Religious Council for the academic year, 1963-64 will be held on Monday, May 4th, at the Men's Graduate Center, beginning with supper at 5:45 p.m. All members of the Religious Council are expected to be present. On this occasion the newly elected officers for the year will be installed, and reports of the varied program which has been carried out under the auspices of the Council will be given.

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## ERASMUS CLUB MEETING

The Erasmus Club will meet on Monday, May 4th, at 8:00 p.m. in the Green Room, East Duke Building. Professor Alexander Hull of the Department of Romance Languages will speak on "The Structure of the Canadian French Consonant System." Everyone is cordially invited.

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## JOSIAH C. TRENT LECTURE

The annual Josiah C. Trent lecture in the history of medicine will be held on Monday, May 4th at 8:15 p.m. in the Auditorium, Biological Sciences Building.

Dr. Charles Donald O'Malley, Ph.D. will speak on "Dionisio Daza Chacon, a 16th Century Spanish Surgeon." Dr. O'Malley is Head of the Department of the History of Medicine at U.C.L.A. The general public is cordially invited to attend.

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## CLASSICAL STUDIES LECTURE

Professor Frank W. Walbank, F. B. A., Rathbone Professor of Ancient History in the University of Liverpool, will be the guest of the Department of Classical Studies Tuesday and Wednesday, May 5th and 6th. Educated at Peterhouse, University of Cambridge, he is the author of many articles and books on Hellenistic and Roman Republican history, culminating in his **Historical Commentary on Polybius**. At 4:00 p.m. on Tuesday, May 5th he will present a public lecture in Room 208 Flowers Building on "Polybius and the Roman State." On Wednesday, May 6th at 4:00 p.m. he will hold a colloquium at the University of North Carolina, Chapel Hill, for graduate students and faculty.

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## SIGMA XI LECTURE

The Society of the Sigma Xi will hold a meeting on Tuesday, May 5th at 8:00 p.m. in the Biological Sciences Building. Speaker for the occasion will be Dr. Paul M. Gross, William Howell Pegram Professor of Chemistry, and President, Oak Ridge Institute of Nuclear Studies. The subject of his address will be "The Status of Science and Scientists in the Decade of the Sixties." Also on the program will be initiation of new members of Sigma Xi.

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## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mrs. Margaret Jaeger Wallace for the Ph.D. degree in Education will be held on Wednesday, May 6th at 9:30 a.m. in Room 08A West Duke Building. The subject of Mrs. Wallace's dissertation is "The Relationship Between Behavioral Traits, Self Concept, and Performance of Pediatric Nursing Students." The committee to conduct the examination will consist of Professors W. S. Gehman, Donald K. Adams, E. C. Bolmeier, W. H. Cartwright, and W. S. Stumpf. Professor Gehman will preside.

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## BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, May 6th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Mr. John Boyer of the Botany Department will speak on the "Effects of Water Stress on Metabolic Rates of Cotton Plants with Open Stomates."

Mr. Boyer, an undergraduate of Swarthmore (A.B. 1959), obtained his M.S. (1961) in the field of mineral nutrition under Professor Gerloff at the University of Wisconsin. Currently he is working toward completion of his doctorate with Professor Kramer in water re-

lations. Mr. Boyer recently won an award from American Society Plant Physiology for the best paper presented by a graduate at the Association of South-eastern Biologists' Meetings in Atlanta.

Refreshments will be served in the foyer at 4:00 p.m.

### SENIOR PIANO RECITAL

The Department of Music will present a senior piano recital by Lydia Cantrell and John Holt, both students of Loren Withers on Tuesday, May 5th at 8:15 p.m. in the Music Room, East Duke Building. The University Community and the general public are cordially invited to attend.

The program will be as follows:

Prelude and Fugue in C-Sharp Minor, WTC I	<i>Bach</i>
Mr. Holt	
Allegro from Toccata in G Minor	<i>Bach</i>
Miss Cantrell	
Fantasia in C Minor, K.475	<i>Mozart</i>
Mr. Holt	
Sonata in E-Flat, Opus 31, No. 3	<i>Beethoven</i>
Allegro	
Scherzo; Allegretto vivace	
Menuetto; Moderato e grazioso	
Presto con fuoco	
Miss Cantrell	
Moments Musicaux	<i>Schubert</i>
Opus 94, No. 2 in A-Flat	
Opus 94, No. 3 in F-Minor	
Opus 94, No. 4 in C-Sharp Minor	
Mr. Holt	
Barcarolle, Opus 60	<i>Chopin</i>
Miss Cantrell	

### DIVINITY SCHOOL LECTURE

President Douglas M. Knight will deliver a public lecture before the Divinity School on Wednesday, May 6th at 11:00 a.m. in York Chapel. Dr. Knight will speak on the topic: "The Poet As Prophet: Art and Religious Insight." The University Community is cordially invited.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Chien Ping Lee for the Ph.D. degree in Zoology will be held on Wednesday, May 6th, at 2:30 p.m. in Room 225 Biological Sciences Building. The subject of Mr. Lee's dissertation is "Water Balance in the Zebra Finch *Taeniopygia Castanotis*." The committee to conduct the examination consists of Professors K. Schmidt-Nielsen, E. C. Horn, C. L. Ward, K. M. Wilbur, and W. L. Byrne. Professor Schmidt-Nielsen will preside.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Anthony C. Fortosis for the Ph.D. degree in Education will be held on Thursday, May 7th at 9:30 a.m. in Room 08A West Duke Building. The subject of Mr. Fortosis' dissertation

is "A Study of Certain Characteristics of the Christian High Schools Holding Membership in the National Association of Christian Schools." The committee to conduct the examination consists of Professors W. A. Stumpf, Robert Connery, E. C. Bolmeier, O. L. Petty, and Henry Sublett. Professor Stumpf will preside.

### JOINT PSYCHOLOGY COLLOQUIUM

A joint colloquium sponsored by the Departments of Psychology at Duke University and the University of North Carolina will be held on Wednesday, May 6th at 4:30 p.m. in Room 130 Building 9. Dr. Morton Deutsch from Columbia University will conduct the colloquium; his topic is "Interpersonal Bargaining." The public is invited to attend.

### GOTHIC BOOKSHOP BOOK AND ART AUCTION

The Gothic Bookshop's 16th Book and Art Auction will be held on Wednesday, May 6th at 6:45 to 10:30 p.m. in Room 208 Flowers Building. There will be auctioned off a large and interesting selection of choice books, first editions, books in bindings, old maps, prints and paintings.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. David E. Smith for the Ph.D. degree in Political Science will be held on Thursday, May 7th at 2:30 p.m. in Room 201 Allen Building. The subject of Mr. Smith's dissertation is "Emergency Government in Canada and Australia; A Comparison—1914-1920." The committee to conduct the examination consists of Professors J. Harris Proctor, John H. Hallowell, Malcolm Jewell, Robert R. Wilson, and William B. Hamilton, (minor). Professor Harris will preside.

### MATHEMATICS SEMINAR

The Mathematics Department will hold a seminar on Thursday, May 7th at 4:00 p.m. in Room 114 Physics Building. Dr. Reese T. Prosser, Lincoln Laboratory, Massachusetts Institute of Technology, will speak on a topic to be announced. Coffee will be served at 3:30 p.m. in Room 120 Physics Building.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Lewis Dunbar Dove for the Ph.D. degree in Botany will be held on Friday, May 8th, at 9:30 a.m. in Room 140 Biological Sciences Building. The subject of Mr. Dove's dissertation is "Relationship Between Water Stress and Organic Nitrogen Constituents of Tomato Leaves." The committee to conduct the examination consists of Professors Paul J. Kramer, W. D. Billings, A. W. Naylor, Jaue Philpott, and Ronald C. Greene. Professor Kramer will preside.



## PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology, Duke University Medical Center will hold a seminar on Thursday, May 7th at 4:00 p.m. in Room M-204 Davison Building. Dr. J. J. Hermans, Sr. Staff Scientist, Chemstrand Corporation, will speak on "Density Gradient Centrifugation."

## AMERICAN SOCIETY OF CIVIL ENGINEERS MEETING

The Annual Joint Meeting of the North Carolina Section, American Society of Civil Engineers and the student chapters of Duke and North Carolina State will convene on Friday, May 8th at 9:45 a.m. at the College of Engineering, Duke University. Two technical papers from each of the student chapters will be presented in competition for awards. The most outstanding senior from each College of Engineering will be chosen and awards presented.

The meeting will close with a luncheon and address by Dr. James L. Meriam, Dean of Engineering, Duke University, at the Holiday Inn downtown. The public is cordially invited to attend any of these events.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. James R. Coleman for the Ph.D. degree in Zoology will be held on Friday, May 8th, at 2:00 p.m. in Room 225 Biological Sciences Building. The subject of Mr. Coleman's dissertation is "Fine Structure and Cytochemistry of the Meiotic Chromosome of the Domestic Rooster *Gallus Domesticus*." The committee to conduct the examination consists of Professors M. J. Moses, E. C. Horn, H. S. Roberts, W. R. Guild, and R. C. Greene. Professor Moses will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Jon Nelson Moline for the Ph.D. degree in Philosophy will be held on Friday, May 8th at 3:00 p.m. in the Library Conference Room. The subject of Mr. Moline's dissertation is "Ethical Justification and Knowledge." The committee to conduct the examination consists of Professors Charles A. Baylis, Paul Welsh, Bernard Peach, N. L. Wilson, and James N. Truesdale (minor). Professor Baylis will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Philip Eugene Miller for the Ph.D. degree in Chemistry will be held on Saturday, May 9th at 10:30 a.m. in Room 01 Chemistry Building. The subject of Mr. Miller's dissertation is "Kinetic Studies of the Photodecomposition of Hydrogen Peroxide." The committee to conduct the

examination will consist of Professors Peter Smith, Pelham Wilder, Jr., John Saylor, Jacques C. Poirier, and F. G. Dressel. Professor Smith will preside.

## MUSIC DEPARTMENT CHAMBER MUSIC AND ORGAN RECITAL

The Department of Music will present a student chamber music and organ recital, Allan Bone, conducting, on Friday, May 8th at 8:15 p.m. in the Alice M. Baldwin Auditorium. A chamber orchestra of twenty-three players will accompany the soloists. The University Community and the general public are cordially invited to attend. The program will be as follows:

- Concerto No. 13 in F Major *George Frederic Handel*  
"The Cuckoo and the Nightingale" (1685-1759)  
Larghetto  
Allegro William B. Trexler, Organ
- Larghetto  
Allegro Jere Farrah, Organ
- Chorale Fantasia on "Christ the Lord  
Has Risen" *Flor Peeters*  
Allegro Maestoso (1903- )  
John Simpson, Organ
- Edward Keller, Trumpet Ben Peck, Trombone  
William Prizer, Trumpet Thomas Anderson, Trombone
- Trio Sonata for Organ and Strings, *Arcangelo Corelli*  
Opus 1, No. 1 in F Major (1653-1713)  
Grave, Allegro,  
Adagio, Allegro Susan Blount, Organ
- Sonata for Organ and Strings, No. 10  
in D Major (K.245) *Mozart*  
Allegro (1756-1791)  
Annette Brisendine, Organ
- Sonata II for Two Recorders and  
Thorough Bass *Arcangelo Corelli*  
Andante Largo  
Allemanda Allegro  
Corrente Allegro  
Gavotta Allegro  
May Bates, Alto Recorder  
Carol Papps, Alto Recorder  
Alice Williams, Organ
- Chorale "Praise to the Lord" *Harald Rohlig*  
Ronald Steed, Baritone  
Edward Keller, Trumpet  
Judith Weingarh, Organ
- Concerto in B Minor for Viola  
and Orchestra *Handel-Casadesus*  
Allegro moderato  
Andante ma non troppo  
Allegro molto Linda Speck, Soloist

## IGAS ART EXHIBITIONS EAST AND WEST GALLERIES

The Department of Art and the Student Union's Fine Arts Committee will show a traveling exhibition from the International Graphic Arts Society, Inc., New York City as the final exhibit in the academic year. The East Gallery in the Woman's College Library and the West Gallery in the West Union Building's Alumni Lounge will be ready for visitors on Sunday, May 2nd and the public is extended a cordial invitation to see these contemporary art works.

The exhibitions present a cross-section of works by

contemporary American, European and Japanese artists from the approximately 500 editions which IGAS has published during the twelve years of its operation. They are a balanced selection ranging from realistic and traditional to abstract and expressionist forms—a fair presentation of all styles current in the United States and abroad. Among the well known artists represented in this exhibit are: Karel Appel, Leonard Baskin, Hans Erni, Jean Iureat, Paul Shaub, Rikio Takahashi, and Peter Takal.

## DUKE UNIVERSITY OFFICIAL EXAMINATION SCHEDULE

### Spring Semester 1964

ANY STUDENT WISHING TO PETITION FOR RELIEF FROM THREE EXAMINATIONS WITHIN TWENTY-FOUR HOURS OR TWO EXAMINATIONS AT THE SAME TIME MUST REPORT TO HIS DEAN'S OFFICE *NOT LATER THAN APRIL 24, 1964*, TO REQUEST A CHANGE IN SCHEDULE.

Thursday May 14	7:00- 8:00 p.m.	Physical Education
Friday May 15	Reading Period	No Examination Scheduled
Saturday May 16	9:00-12:00 noon 2:00- 5:00 p.m.	TTS 3 Economics 52
Monday May 18	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 2 Physics 2, 42 Botany 2
Tuesday May 19	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 1 French and Spanish 64 TTS 7 & Air Science
Wednesday May 20	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	TTS 4 English 2 MWF 1
Thursday May 21	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 5 & MWF 8 Naval Science & Zoology 2 MWF 7 & Engineering 2.1-2.4
Friday May 22	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	All Languages 2 Mathematics 21, 64, 84 Philosophy 48
Saturday May 23	9:00-12:00 noon 2:00- 5:00 p.m.	MWF 6 & TTS 5 TTS 2
Monday May 25	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 3 Mathematics 22, 42 TTS 6
Tuesday May 26	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Religion 2, 2X MWF 4 & Engineering 2.5-2.8 Political Science 12, 62
Wednesday May 27	9:00-12:00 noon 2:00- 5:00 p.m.	Chemistry 2 History 2, 2X

Chemistry (except Chemistry 2) meet for examination at the time scheduled for their general lecture period.

ANY EXAMINATION NOT COVERED IN THE FOREGOING SCHEDULE IS TO BE ARRANGED BY THE INSTRUCTOR IN CHARGE OF THE COURSE IN THE PERIOD BEGINNING May 16, 9:00 a.m. AND ENDING May 27, 5:00 p.m. NO EXAMINATION IS TO BE GIVEN BEFORE 9:00 a.m. May 16, WITH THE EXCEPTION OF PHYSICAL EDUCATION. NO CHANGE IS TO BE MADE IN ANY SCHEDULED EXAMINATION WITHOUT THE APPROVAL OF THE COMMITTEE.

University Schedule Committee

### CANCELLATION

The student recital schedule for Monday, May 4th at 8:15 p.m. in the Music Room, East Duke Building by the Department of Music has been cancelled.

### LAST CALL

### 1964 DUKE GROUP FARE FLIGHTS TO EUROPE

There will be opportunities again this summer for members of the Duke University Community to avail themselves of "affinity" group discount fares (jet planes) to Europe. Applications and full information may be secured from the Information Desk in Flowers Lounge as well as in the Student Activities Office, 202-A Flowers Building, or by calling 286-1911.

The flight schedules are as follows:

- (1) 1964 Duke Group Flight Number 1 via KLM  
June 9 New York—Glasgow—London  
August 19 Amsterdam—New York  
Fare: \$352.20
- (2) 1964 Duke Group Flight Number 2 via BOAC—Air France  
June 16 New York—London—Paris  
September 7 Paris—New York  
Fare: \$356.00

Those planning to use this flight are urged to make application **at once**.

A deadline of Tuesday, May 5th, has been announced for those wishing to use the group flight. Flight II is now filled; a few spaces remain for Flight I.

### PSYCHOLOGY DEPARTMENT ANNOUNCEMENT

"The Duke University Preschool Program has an opening in the 5-year old school readiness group. Please contact Miss Marie Hinman, Director, 118 Bivins Building, East Campus or call University extension 2705."

### SEMINAR ON "THE NEW SOUTH"

Of interest to the University Community is the announcement of a special seminar on "The University in a Changing World" to be held on the Duke Campus Thursday and Friday, May 7th and 8th. Business and industrial leaders from the South will join educators from Duke to continue the series of seminars inaugurated two years ago. Seven of Duke's leading faculty members are scheduled to participate in the seminar program which will include such topics as "The Changing Regional Character of the South"; "Trends and Economic Factors—Implications and Futurity"; "Social Change in Race Relations"; "New Political Directions of the Unsolid South"; and "Relation of Technical Development to the Economy of the South." Professors participating in the conference will be: Paul M. Gross, Pegram Professor of Chemistry and former president and board chairman of the American Association for the Advancement of Science; John C. McKinney, chairman of the department of sociology and anthropology; Joseph C. Spengler, James B. Duke Professor of Economics; Edgar T. Thompson, professor of sociology, and past president of the Southern Sociological Association; George L. Maddox, medical Sociologist in the departments of psychiatry and sociology; Allan P. Sindler, political scientist and specialist in American political parties, pressure groups, and voter behavior; and Halliman



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H. Winsbrough, sociologist and specialist in demography, ethnology and human ecology.

The program of discussions is designed to bring business men and educators together for exchanges of ideas on questions which concern both groups.

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**ADVANCE NOTICE**  
**DUKE CONCERT BAND CONCERT**

The Duke Concert Band, Paul Bryan, Conductor, will present a concert in Page Auditorium at 2:30 p.m. on Sunday, May 10th. Designed for family enjoyment (children of all ages) the program will feature marches, instrumental and vocal soloists, "The Overture to William Tell" by Rossini (Hiyo Silver!), etc. There will be no admission charge. The University Community and the general public are cordially invited.

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**ADVANCE NOTICE**  
**CHAPEL CHOIR PRESENTS "ELIJAH"**

The Duke University Chapel Choir will present "Elijah," an oratorio by Felix Mendelssohn on Sunday afternoon, May 10th at four o'clock in the University Chapel. The choir is conducted by James Young with Mildred L. Hendrix on the organ. The public is cordially invited to attend the presentation of this famed oratorio.

Considered by musical authorities as one of the "big three" oratorios (the other two being Handel's "Messiah" and Haydn's "Creation"), "Elijah" contains some of the most beautiful individual sections used in church choral repertory. It was last performed at Duke on May 5th, 1957 under the direction of Paul Young with Mildred L. Hendrix as organist. This year's performance includes two of the soloists who sang in the 1957 performance: John Hanks, tenor, as Obadiah and Beatrice Donley, contralto, as the Queen. Others in the cast include Byung Kwon, baritone, as Elijah; Alice Riley, soprano, as the Widow; Mrs. Herbert Waldrop, Jr., soprano, as the

Youth; Gretcheu Ruffy, soprano, as Au Angel; Tina Pfohl, contralto, as Au Angel; Grier Davis, tenor, as Ahab; and Riley Brown, bass.

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**ADVANCE NOTICE**  
**FACULTY CLUB PICNIC**

The annual Faculty Club Picnic will be held on Saturday, May 16th at 4:00 p.m. on East Campus near the gymnasium. Recreation will include soft-ball and a "Hole in One" contest. For the children there will be swimming from 4:15-5:00, pony and sports-car rides. A community supper will begin at 5:30 with each family's contribution served together buffet style. Lemouade and ice cream will be provided.

Members are reminded to return their reservation cards to Miss Frances Holton, 202 Gymnasium, East Campus, by Tuesday, May 12th.

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**PRE-RELEASE FILM SHOWING AND**  
**DISCUSSION**

On Wednesday, May 6th, at 7:00 p.m. in Page Auditorium Quadrangle Pictures will present a free pre-release full length film entitled "Black Like Me" based on the book by the same title authored by John Howard Griffin. This dramatized documentary on social and emotional relationships between whites and negroes portrays occurrences in Griffin's true story of his experiences while living as a negro in Georgia, Alabama, and Louisiana.

"Black Like Me" is being privately shown to the Duke University Community prior to its World Premiere on May 20th when it will be shown in seventy theatres in New York City as well as in other theatres throughout the United States.

Following the showing of the film, Mr. Julius Tannembaum, the Producer, and Dr. Gelolo McHugh of the Duke Department of Psychology and Psychological Consultant to the Director and Producer, will be joined by other members of the faculty and student body in a discussion of the film with those in attendance.

WEEK OF

May 10-16, 1964

WEEK OF

May 10-16, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, May 10

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship. University Chapel. Preacher: Reverend Dr. Eric C. Rust, Professor of Christian Philosophy, Southern Baptist Theological Seminary. Sermon: "The Cross and the Throne." Broadcast over Radio Station WDNC and WDNC-FM.

2:30 p.m. Music Department: Duke Concert Band Concert. Paul Bryan, Conductor. Page Auditorium.

4:00 p.m. Duke University Chapel Choir presents "Elijah." University Chapel.

7:30 p.m. Religious Life Staff Discussion on Hibankusha (survivors of Hiroshima and Nagasaki atomic bombs). First Presbyterian Church.

### Monday, May 11

12:50 p.m. Duke-University of North Carolina National Security Policy Seminar, Duke University Lecture Committee and the United States Naval Institute: Speaker: Vice Admiral Friedrich C. Ruge. Page Auditorium.

2:30 p.m. The Final Examination of Mr. John Terrence Reynolds for the Ph.D. degree in Physics. Room 218 Physics Building.

3:30 p.m. The Final Examination of Mr. Allen J. Koppenhaver for the Ph.D. degree in English. Room 128 Old Biology Building.

4:15 p.m. Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Elizabeth A. Weiant.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30 p.m. Faculty Volleyball. Indoor Stadium.

7:30 p.m. Speaker: Vice-Admiral Friedrich C. Ruge. Room 139 Social Science Building.

8:15 p.m. North Carolina Symphony Orchestra Concert. Page Auditorium.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, May 12

10:10 a.m. Divinity School Chapel. York Chapel. Dr. Howard C. Wilkinson.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball.

3:00 p.m. Campus Club Garden Party. The President's Home, 2138 Campus Drive.

4:00 p.m. Mathematics Seminar. Room 114 Physics Building. Speaker: Professor Frank W. Anderson.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

4:30 p.m. Joint Psychology and Psychiatry Colloquium. Room 130 Building 9. Speaker: Dr. John Knott.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 7:30 p.m. Duke Fencing Club Meeting. Main Floor, Card Gymnasium.
- 8:15 p.m. Music Department Senior Piano Recital: Janice Ray and Frank Gray. Music Room, East Duke Building.

## Wednesday, May 13

- 10:10 a.m. Divinity School: Closing Convocation. York Chapel.
- 2:15 p.m. The Final Examination of Mr. George Allen Neece for the Ph.D. degree in Chemistry. Room 303 Chemistry Building.
- 3:00 p.m. The Final Examination of Mr. Bruce R. Wenner for the Ph.D. degree in Mathematics. Room 219 Physics Building.
- 4:00 p.m. Psychology Colloquium. Room 130 Building 9. Speaker: Dr. John Wright.
- 4:15 p.m. Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Alfred Sussman.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. The Final Examination of Mr. John C. Courtney for the Ph.D. degree in Political Science. Library Conference Room.
- 7:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures: Page Auditorium. "Julius Caesar" with Marlon Brando, James Mason, John Gielgud, Louis Calhern, and Deborah Kerr.

## Thursday, May 14

- 9:00 a.m. The Final Examination of Mr. William West Thomas for the Ph.D. degree in Religion. Library Conference Room.
- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Rodney C. Brown.
- 2:00 p.m. The Final Examination of Mr. William Thomas Joiner for the Ph.D. degree in Electrical Engineering. Room 132 Engineering Building.
- 4:00 p.m. Undergraduate Faculty Council Meeting. Room 208 Flowers Building.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. Edward F. MacNichol, Jr.
- 4:00 p.m. Mathematics Seminar. Room 114 Physics Building. Speaker: Dr. Reese T. Prosser.
- 5:00 p.m. Faculty Volleyball. Indoor Stadium.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 7:00 p.m. Friends of the Library Annual Spring Dinner-Meeting. Union Ballroom. Speaker: Dr. Giles E. Dawson.
- 8:15 p.m. Music Department: Piano Recital: Students of Ronald Fishbaugh. Music Room, East Duke Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, May 15

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Dr. McMurry S. Richey, Celebrant.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 5:30 p.m. Kappa Delta Pi Annual Spring Initiation and Banquet. "Varsity D" Room, Union Building.
- 7:30 p.m. Bowling for Faculty members and families at Sportland. Regular Rates Apply.

## Saturday, May 16

- 2:00 p.m. The Final Examination of Mr. Gerald H. Shinn for the Ph.D. degree in Religion. Library Conference Room.
- 4:00 p.m. Music Department: Student Piano Recital of students of Loren Withers. Music Room, East Duke Building.
- 4:00 p.m. Faculty Club Picnic. East Campus near the Gymnasium.
- 7:00 and 9:00 p.m. Quadrangle Pictures: Page Auditorium. "Julius Caesar" with Marlon Brando, James Mason, John Gielgud, Louis Calhern, and Deborah Kerr.

## DENOMINATIONAL ANNOUNCEMENTS

BAPTIST CENTER (Chaplain James W. Stines): **Friday, 6:15 P.M.**, Supper and worship. This will be the final Friday evening program.

Students who plan to attend the Southwide Student Conference at Ridgecrest, June 4-10, are urged to register at the Center by Friday evening. Total cost for the week is approximately \$25.00. Duke B.S.U. will help arrange your transportation, housing and meals.

CHRISTIAN SCIENCE ORGANIZATION: **Tuesday, 6:45 P.M.**, East Duke Chapel. All are welcome. EPISCOPAL CENTER (Chaplain W. Robert Mill): **Sunday, 9:30 A.M.**, Holy Communion. **Wednesday, 7:10 A.M.**, Holy Communion. **Thursday, 5:30 P.M.**, Holy Communion.

Members of the University community are invited to use the facilities of the Episcopal University Center for study during the exam period.

LUTHERAN STUDENT ASSOCIATION (Chaplain William R. Pattou): **Sunday**, at the Picnic Area in Poplar Apts., Erwin Rd., Recreation to begin at 5:00 P.M.; Supper at 6:00. The program will include the election of officers.

METHODIST CENTER (Chaplain Jack W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 6:00 P.M.**, Evening Prayer. A picnic honoring graduating seniors will be held on Saturday afternoon, May 23. Details will be announced later.

The Center is open for study during exams. Students are invited to use the facilities.

PRESBYTERIAN CENTER (Chaplain Charles E. Johnson): **Sunday**, 6:00 P.M., Holy Communion and Installation of officers.

UNITED CAMPUS CHRISTIAN FELLOWSHIP (Chaplain John J. Carey): **Sunday**, 5:30 P.M., at the home of Dr. and Mrs. Waldo Beach, 130 Pinecrest Road. After supper and a brief business meeting the group will discuss Dr. Beach's book, **Conscience on Campus**. Transportation will leave the Chapel steps and the East Campus circle at 5:15 P.M. **Thursday**, 12:40 P.M., Luncheon at Gilbert-Addoms.

#### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Eric C. Rust, Professor of Christian Philosophy, Southern Baptist Theological Seminary, Louisville, Kentucky, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, May 10th, in the University Chapel. His subject will be "The Cross and the Throne."

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, May 17th, is the Reverend Dr. Howard C. Wilkinson, Chaplain to the University.

#### CHAPEL CHOIR PRESENTS "ELIJAH"

The Duke University Chapel Choir will present "Elijah," an oratorio by Felix Mendelssohn on Sunday afternoon, May 10th at four o'clock in the University Chapel. The choir is conducted by James Young with Mildred L. Hendrix on the organ. The public is cordially invited to attend the presentation of this famed oratorio.

Considered by musical authorities as one of the "big three" oratorios (the other two being Handel's "Messiah" and Haydn's "Creation"), "Elijah" contains some of the most beautiful individual sections used in church choral repertory. It was last performed at Duke on May 5th, 1957 under the direction of Paul Young with Mildred L. Hendrix as organist. This year's performance includes two of the soloists who sang in the 1957 performance: John Hanks, tenor, as Obadiah and Beatrice Donley, contralto, as the Queen. Others in the cast include Byung Kwon, baritone, as Elijah; Alice Riley, soprano, as the Widow; Mrs. Herbert Waldrop, Jr., soprano, as the Youth; Gretchen Rufty, soprano, as An Angel; Tina Pfohl, contralto, as An Angel; Grier Davis, tenor, as Ahab; and Riley Brown, bass.

#### HIBANKUSHA DISCUSSION

The Religious Life Staff of the University is joining in sponsoring a meeting to be held in the First Presbyterian Church, on Sunday evening, May 10th at 7:30 p.m. Five members of a larger group of **Hibankusha** (survivors of the atomic bombs in Hiroshima and Nagasaki) will describe the effects of the atomic bomb. The public is cordially invited to attend.

#### SPEAKER: VICE ADMIRAL FRIEDRICH C. RUGE

The distinguished German naval historian, Vice Admiral Friedrich C. Ruge will visit Duke University on Monday, May 11th under the joint auspices of the

Duke-University of North Carolina National Security Policy Seminar, the Duke University Lecture Committee, and the United States Naval Institute.

Admiral Ruge joined the German navy in 1914 and served in both World Wars. He was in charge of all German minesweepers, served on Rommel's staff in 1943-44, and finally directed all German naval shipbuilding. He wrote the standard history of German naval operations, **Der Seekrieg, 1939-1945**, which has been translated into several languages, and returned to the Federal Navy as its department head in 1956, and as its Inspector from 1957 until his retirement in 1961. He is now Professor of History in the University of Tübingen. His most recent work is an important study of civil-military relations.

He will speak in Page Auditorium at 12:50 p.m., Monday, May 11th under the auspices of the Duke N.R.O.T.C., on German Naval Strategy in the Second World War, and to the Duke-University of North Carolina National Security Policy Seminar at 7:30 p.m. in Room 139, Social Science Building. His topic will be "The Defense of Western Europe, from the German Point of View." The public is invited to both lectures.

#### MUSIC DEPARTMENT DUKE BAND CONCERT

The Department of Music will present a concert by the Duke Concert Band, Paul Bryan, Conductor, at 2:30 p.m. on Sunday, May 10th. Designed for family enjoyment (children of all ages) the program will feature marches and instrumental and vocal soloists. There will be no admission charge. The University Community and the general public are cordially invited to attend. The program will be as follows:

March "The Fairest of the Fair"	John Philip Sousa
Variations on "The Carnival of Venice"	Herbert L. Clarke
William Prizer, Cornet	
A Sacred Suite, based on well-known Hymns	arr. Alfred Reed
"Alleluia" from the motet Exultate Jubilate	W. A. Mozart
Nancy Temple, Soprano	
Glory to God in the Highest	Giovanni Pergolesi
arr. Houseknecht	
Let's Go!	arr. Frank Bennett
March "Colonel Bogey"	Kenneth Alford
Medley: "Stardust" and "You Are Too Beautiful"	arr. R. R. Trevarthen and Dorothy Barker
Brass and Woodwind Choirs	
Overture to <i>William Tell</i>	Gioacchino Rossini

#### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. John Terrence Reynolds for the Ph.D. degree in Physics will be held on Monday, May 11th at 2:30 p.m. in Room 218 Physics Building. The subject of Mr. Reynolds' dissertation is "Theoretical Considerations of the Investigation of Nuclear Structure by Inelastic Electron Scattering." The committee to conduct the examination consists of Professors L. C. Biedenharn, Eugene Greuling, Richard Walter, David Onley, and David Smith. Professor Biedenharn will preside.

#### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Allen J. Koppenhaver for the Ph.D. degree in English will be held on



Monday, May 11th at 3:30 p.m. in Room 128 Old Biology Building. The subject of Mr. Koppenhaver's dissertation is "T. S. Eliot's Murder In The Cathedral: A Study by Allen John Koppenhaver." The committee to conduct the examination consists of Professors Grover Smith, Bernard Duffey, C. Richard Sanders, and Herman Salinger. Professor Smith will preside.

#### ZOOLOGY SEMINAR

The Zoology Department will hold its weekly seminar on Monday, May 11th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Elizabeth A. Weiant, Simmons College, Boston, Massachusetts will speak on "Endogenous Activity and the Roach Nervous System." Coffee and tea will be served in the foyer at 4:00 p.m.

#### NORTH CAROLINA SYMPHONY ORCHESTRA CONCERT

The North Carolina Symphony, under the direction of Dr. Benjamin Swalin, will present its annual concert for adults in Durham on Monday, May 11th at 8:15 p.m. in Page Auditorium, with John Thnrman, cellist, as guest artist. The program is dedicated to the memory of the late Carl C. Connel. General admission is by membership in the North Carolina Symphony Society; all Duke students are eligible for complimentary tickets which are available on the day of the concert in Room 202-A Flowers Building, until 5:30 p.m. after which time they may be secured at the Page Box Office at 7:30 p.m.

The Orchestra's appearance here is under the joint sponsorship of Duke University Student Union's Fine Arts Committee and the Durham Chapter of the North Carolina Symphony Society. Financial support for the concerts comes from the Durham Chapter of the Symphony Society through the sale of memberships in the Society. Memberships are not only valid for admission to evening performances throughout the State, but also make possible the free matinees for the school children.

The first portion of the program will include Weber's Overture to the opera "Euryanthe," Schubert's Symphony No. VIII in D minor ("Unfinished"), and Moncayo's exciting "Hnapango."

Immediately following intermission, John Thnrman will join Dr. Swalin and the state Symphony in a performance of Schumann's Concerto for Violoncello and Orchestra in A minor, Opus 129. The program will close with Tchaikovsky's popular and delightful "Capriccio Italien."

#### CAMPUS CLUB GARDEN PARTY

The final meeting of the Duke University Campus Club will be a garden party at the home of President and Mrs. Douglas Knight, 2138 Campus Drive, on Tuesday, May 12th at 3:00 p.m. Lawn music for the occasion will be presented by students and members of the faculty of the Department of Music. From 3:30 to 3:45 a woodwind ensemble will perform music of the 18th century which was composed especially for outdoor occasions. From 4:00 to 4:15 a brass ensemble will render other selections which were partic-

ularly composed for outdoor performances. Celebration is the theme of these musical selections and Mr. Richard Trevarthen, visiting lecturer in the Department of Music, will conduct.

Mrs. E. M. Cameron and Mrs. Walter Persons are co-chairmen for the garden party to which each Campus Club member is urged to bring a friend. Hostess Departments will be Administration East, Library East, Library West, Physical Education East, and Physical Education West.

#### RENTAL OF ACADEMIC APPAREL

Members of the Faculty and Staff desiring to rent cap, gown or hood for commencement exercises Monday, June 1st, should place their orders with Duke University Stores prior to Monday, May 11th. Delivery cannot be assured on orders placed after this date.

For information or ordering call extension 2344.

#### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. George Allen Neece for the Ph.D. degree in Chemistry will be held on Wednesday, May 13th at 2:15 p.m. in Room 303 Chemistry Building. The subject of Mr. Neece's dissertation is "A Quantum Statistical Theory of Rare Gas Hydroquinone Clathrates and Classical Statistical Studies of Hard Line Rotators." The committee to conduct the examination consists of Professors J. C. Poirier, Paul Gross, Peter Smith, W. R. Krigbaum, and Thomas M. Gallie. Professor Poirier will preside.

#### PSYCHOLOGY AND PSYCHIATRY JOINT COLLOQUIUM

A Joint Colloquium, sponsored by the Departments of Psychology and Psychiatry, will be held on Tuesday, May 12th at 4:30 p.m. in Room 130 Building 9. Dr. John Knott, The School of Medicine, State University of Iowa, will speak on the topic, "Electrical Activity of the Brain in Relation to Conditioning."

#### MATHEMATICS SEMINAR

The Mathematics Department will hold a seminar on Tuesday, May 12th, at 4:00 p.m. in Room 114 Physics Building. The speaker will be Professor Frank W. Anderson of the University of Oregon and the Institute for Advanced Study. He will speak on the topic, "Self-injective Rings." Coffee will be served at 3:30 p.m. in Room 120 Physics Building.

#### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Bruce R. Wenner for the Ph.D. degree in Mathematics will be held on Wednesday, May 13th at 3:00 p.m. in Room 219 Physics Building. The subject of Mr. Wenner's dissertation is "A Nagata-Type Metric on Infinite-Dimensional Spaces." The committee to conduct the examination consists of Professors John H. Roberts, Leonard Carlitz, Richard A. Scoville, Joseph R. Shoenfield, and Romane L. Clark. Professor Roberts will preside.

## MUSIC DEPARTMENT: SENIOR PIANO RECITAL

The Department of Music will present a senior piano recital by Janice Ray and Frank Gray on Tuesday, May 12th at 8:15 p.m. in the Music Room, East Duke Building. Both Miss Ray and Mr. Gray are students of Loren Withers. The University Community and the general public are cordially invited. The program will be as follows:

French Suite No. 3 in B Minor	Bach
Allemande	
Sarabande	
Minuet	
Gigue	
Miss Ray	
Gavotte and Variations	Rameau
Mr. Gray	
Sonata in A Major, Opus 120	Schubert
Allegro Moderato	
Andante	
Allegro	
Miss Ray	
Intermezzo in E Major, Opus 116, No. 6	Brahms
Prelude in G-Sharp Minor, Opus 32, No. 12	Rachmaninoff
La Cathédrale Engloutie	Debussy
Mr. Gray	
Troisième Ballade in A-Flat Major, Opus 47	Chopin
Miss Ray	
Serarmouche	Milhaud
I. Vif	
II. Modere	
III. Brasileira	
Miss Ray and Mr. Gray	

## PSYCHOLOGY COLLOQUIUM

The Psychology Colloquium will be held on Wednesday, May 13th at 4:00 p.m. in Room 130 Building 9 (Psychology Building). Dr. John Wright, Institute of Child Development, University of Minnesota will speak on "Orienting Response and Search Behavior in Children."

## BOTANY SEMINAR

The Botany Seminar will be held on Wednesday, May 13th at 4:15 p.m. in the auditorium of the Biological Sciences Building. Dr. Alfred Sussman of the Department of Botany at the University of Michigan will speak on "Time-keeping in a Circadian Mutant of *Neurospora*."

Professor Sussman received his doctorate at Harvard in 1949, and since that time has taught at Michigan. He has held a National Research Council Fellowship from Pennsylvania, Lator Foundation Fellowship, NSF Senior Fellowship to work at Cal. Tech. and currently serves as chairman of the Department of Botany. His special field of research is physiological mycology.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. John C. Courtney for the Ph.D. degree in Political Science will be held on Wednesday, May 13th at 7:00 p.m. in the Library Conference Room. The subject of Mr. Courtney's dissertation is "Canadian Royal Commissions of Inquiry, 1946 to 1962: An Analysis of an Executive Instrument of Investigation." The committee to conduct the examination consists of Professors J. Harris

Proctor, John H. Hallowell, Robert H. Connery, Robert R. Wilson, and Harold T. Parker. Professor Proctor will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. William West Thomas for the Ph.D. degree in Religion will be held on Thursday, May 14th at 9:00 a.m. in the Library Conference Room. The subject of Mr. Thomas' dissertation is "An Examination of D. C. Macintosh's Religious Epistemology." The committee to conduct the examination consists of Professors Robert E. Cushman, Waldo Beach, William Poteat, and John Hallowell (minor). Professor Cushman will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. William Thomas Joines for the Ph.D. degree in Electrical Engineering will be held on Thursday, May 14th at 2:00 p.m. in Room 132 Engineering Building. The subject of Mr. Joines' dissertation is "The Characteristic Impedance of Symmetrical Strip Transmission Lines with Undesired Modes Suppressed." The committee to conduct the examination consists of Professors Harry A. Owen, Jr., John L. Artley, Charles R. Vail, and Walter Gordy. Professor Owen will preside.

## UNDERGRADUATE FACULTY COUNCIL MEETING

The Undergraduate Faculty Council will meet on Thursday, May 14th at 4:00 p.m. in Room 208 Flowers Building.

## MATHEMATICS SEMINAR

The Mathematics Seminar will be held on Thursday, May 7th at 4:00 p.m. in Room 114 Physics Building. Dr. Reese T. Prosser, Lincoln Laboratory, Massachusetts Institute of Technology, will speak on a topic to be announced. Coffee will be served at 3:30 p.m. in Room 120 Physics Building.

## PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar on Thursday, May 14th at 4:00 p.m. in Room M-204 Davison Building. Dr. Edward F. MacNichol, Jr., Professor of Biophysics, The Johns Hopkins University, Baltimore, Maryland, will speak on "Retinal Mechanisms for Color and Pattern Vision."

## SPRING INITIATION AND BANQUET OF KAPPA DELTA PI

The annual Spring Initiation and Banquet of Alpha Tau Chapter of Kappa Delta Pi, honor society in Education, will be held on Friday, May 15th. The Initiation ceremony will take place in the "D Room" of the Union Building at 5:30 p.m.

Dr. Gerald Read, national president of Kappa Delta Pi and professor of comparative education at Kent State University, will be the speaker at the annual banquet, to be held in the Union Ballroom at



6:30 p.m. His subject will be "A World of Difference." Reservations must be received in Room 6 West Duke Building, by Monday, May 11th. The cost for guests will be \$2.50 per plate.

### FRIENDS OF THE LIBRARY DINNER MEETING

The Friends of the Library will hold their annual spring dinner meeting on Thursday, May 14th at 7:00 p.m. in the Union Ballroom. Speaker will be Dr. Giles E. Dawson, Curator of Books and Manuscripts, Folger Shakespeare Library.

### MUSIC DEPARTMENT: PIANO RECITAL

The Department of Music will present a piano recital by students of Ronald Fishbaugh on Thursday, May 14th at 8:15 p.m. in the Music Room, East Duke Building. The University Community and the general public are cordially invited to attend. The program will be as follows:

Polonaise in C Minor	Chopin
Georgia Kingson	
Toccata	Khachaturian
Marcia Coleman	
Intermezzo in E Major, Opus 116, No. 6	Brahms
Dorothy Barker	
Sonata No. 2	Hindemith
Michael Menne	
Sonata in A Minor, Opus 42	Schubert
Moderato	
Bonnie Brueggemann	
Sonata in G Major, Opus 78	Schubert
Molto moderato e cantabile	
Craig Worthington	
Mazurka in A-Flat, Opus 24, No. 3	Chopin
Sally Smith	
Arabesque No. 1	Debussy
Judy Rector	
Minuet in G Major	Bach
Solfeggietto	C. P. E. Bach
Nancy Githens	
Concerto in D Major (Coronation) K.537	Mozart
Cathy Carlile	
Prelude in C Minor	Chopin
Norwegian March, Opus 54	Grieg
Bill Stone	
Intermezzo in A Minor, Opus 116, No. 2	Brahms
Nancy Temple	
Sonata, Opus 31, No. 1	Beethoven
Allegro vivace	
Ormond Hardin	

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Gerald H. Shinn for the Ph.D. degree in Religion will be held on Saturday, May 16th at 2:00 p.m. in the Library Conference Room. The subject of Mr. Shinn's dissertation is "The Iconography of the Dresden Manuscript of the Sachsenspiegel in Relation to Its Weltanschauung and Zeitgeist." The committee to conduct the examination consists of Professors Ray Petry, Hugh Anderson, Hans Hillerbrand, William Stinespring, and Robert Rogers (minor). Professor Petry will preside.

### ANNUAL FACULTY CLUB PICNIC

The annual Faculty Club Picnic will be held on Saturday, May 16th at 4:00 p.m. on East Campus near

the gymnasium. Recreation will include soft-ball and a "Hole in One" contest. For the children, there will be swimming from 4:15-5:00 p.m., pony and sports car rides. A community supper will begin at 5:30 p.m. with each family's contribution served together buffet style. Lemonade and ice cream will be provided.

Members are reminded to return the reservation cards to Miss Frances Holton, 202 Gymnasium, East Campus, by Tuesday, May 12th.

### MUSIC DEPARTMENT: STUDENT PIANO RECITAL

The Department of Music will present a piano recital by students of Loren Withers on Saturday, May 16th at 4:00 p.m. in the Music Room, East Duke Building. The University Community and the general public are cordially invited to attend.

The program will be as follows:

Prelude and Fugue in G Minor, from "The Well Tempered Clavier," Book I	Bach
Mary Dean Lee	
Sonata in A, Opus 2, No. 2	Beethoven
First movement: Allegro vivace	
Frances Dick	
Rhapsody in E-flat, Opus 119, No. 4	Brahms
Betsy Overman	
Ballade in G Minor, Opus 23	Chopin
Betty Wilkinson	
Sonata in B-flat	Scarlatti
Scherzo	Griffes
Barbara Watson	
Evening in Granada	Debussy
Judy Braden	
Rumanian Folk Dances	Bartok
Dance With Stocks	
Waistband Dance	
Stamping Dance	
Hornpipe Dance	
Rumanian Polka	
Quick Dance	
June Thornton	
Preamble, from Partita No. 5 in G	Bach
Sonata in D, Opus 10, No. 3	Beethoven
First movement: Presto	
John Ruggero	

### IGAS ART EXHIBITIONS EAST AND WEST GALLERIES

The Department of Art and the Student Union's Fine Arts Committee will show a traveling exhibition from the International Graphic Arts Society, Inc., New York City as the final exhibit in the academic year. The East Gallery in the Woman's College Library and the West Gallery in the West Union Building's Alumni Lounge will be ready for visitors on Sunday, May 2nd and the public is extended a cordial invitation to see these contemporary art works.

The exhibitions present a cross-section of works by contemporary American, European and Japanese artists from the approximately 500 editions which IGAS has published during the twelve years of its operation. They are a balanced selection ranging from realistic and traditional to abstract and expressionist forms—a fair presentation of all styles current in the United States and abroad. Among the well known artists represented in this exhibit are: Karel Appel, Leonard Baskin, Hans Erni, Jean Iurcat, Paul Shaub, Rikio Takahashi, and Peter Takal.

WEEK OF

May 17-23, 1964

WEEK OF

May 17-23, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, May 17

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University. Sermon: "The Christian Is Free." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, May 18

2:30 p.m. The Final Examination of Mr. George H. La Roi for the Ph.D. degree in Botany. Room 140 Biological Sciences Building.

3:30 p.m. The Final Examination of Mr. Jesse H. Brown for the Ph.D. degree in Religion. Room 307 Divinity Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:30 p.m. Faculty Volleyball. Indoor Stadium.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, May 19

12:00 noon Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. C. Eyzaguirre.

12:30-1:30 p.m. Faculty and Graduate Students Volleyball.

3:00 p.m. The Final Examination of Mr. Charles Wellborn for the Ph.D. degree in Religion. Library Conference Room.

4:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Davison Building. Speaker: Dr. Leon Lack.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

### Wednesday, May 20

9:30 a.m. The Final Examination of Mr. Stephen C. Boone for the Ph.D. degree in Anatomy. Room 405 Davison Building.

10:00 a.m. The Final Examination of Mr. John E. Woodham for the Ph.D. degree in History. Library Conference Room.

11:00 a.m. The Final Examination of Mr. Paul Wohlford for the Ph.D. degree in Psychology. Room 222 Psychology Building.

2:00 p.m. The Final Examination of Mr. Max K. Sutton for the Ph.D. degree in English. Room 312 Allen Building.

3:00 p.m. The Final Examination of Mr. W. H. Purcell, Jr. for the Ph.D. degree in Mathematics. Room 219 Physics Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

7:00 p.m. Chapel Choir Rehearsal. University Chapel.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



## Thursday, May 21

- 5:00 p.m. Faculty Volleyball. Indoor Stadium.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
7:30 p.m. Society of Friends Meeting. Friends Meeting House, Alexander Street.  
8:00 p.m. Newcomers Club Evening Reception. The President's Home. 2138 Campus Drive.  
8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, May 22

- 8:30 a.m. The Final Examination of Mr. John Strickland Boyer for the Ph.D. degree in Botany. Room 140 Biological Sciences Building.  
9:00 a.m. The Final Examination of Mr. Henry Otto Stone, Jr., for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.  
2:00 p.m. The Final Examination of Mr. Prem P. Sehgal for the Ph.D. degree in Botany. Room 140 Biological Sciences Building.  
4:00 p.m. Chemistry Staff Seminar. Room 01 Chemistry Building. Speaker: Professor Emery Gellert.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.  
7:30 p.m. Bowling for Faculty members and families at Sportland. Regular rates apply.

## Saturday, May 23

- 11:30 a.m. Forum on General Practice. Hospital Amphitheater, Duke Hospital. Panel Moderator: Dr. Barnes Woodhall.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain James W. Stines): The Baptist Center is available for use for study throughout the exam period.

**CHRISTIAN SCIENCE ORGANIZATION:** Tuesday: 6:45 P.M., East Duke Chapel. All are welcome.  
**EPISCOPAL CENTER** (Chaplain W. Robert Mill): Sunday (Whitsunday), 9:30 A.M., Holy Communion. Monday (Whitmonday), 7:10 A.M., Holy Communion. Tuesday (Whittuesday), 7:10 A.M., Holy Communion. Wednesday (Ember Day), 7:10 A.M., Holy Communion. Thursday (Ember Day), 7:10 A.M., Holy Communion. Saturday (Ember Day), 7:10 A.M., Holy Communion.

**METHODIST CENTER** (Chaplain Jaek W. Carroll; Assistant Chaplain Cranford Johnson): Sunday, 6:00 P.M., Evening Prayer.

A cookout and party honoring seniors will be held May 23 at 5:00 P.M. at the Methodist Center. Special entertainment will be provided by some of the seniors. All members of the University community are welcome along with dates or wives. It will be appreciated if those planning to attend leave a message for Carey Shore in Giles House (ext. 2231) by Friday, May 22.

The Methodist Center invites members of the University community to make use of the Center for study during the examination period.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): Westminster House will be open daily and each evening throughout the examination period for reading and study.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, May 17th, in the University Chapel. His subject will be "The Christian Is Free."

The preacher who is scheduled to deliver the sermon at the University Service of Worship, next Sunday, May 24th, is the Reverend Dr. Arthur Kale, Professor of Christian Education in the Divinity School. This service will be the final one in the regular 1963-64 series of University Services of Worship.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. George H. La Roi for the Ph.D. degree in Botany will be held on Monday, May 18th at 2:30 p.m. in Room 140 Biological Sciences Building. The subject of Mr. La Roi's dissertation is "An Ecological Study of the Boreal Spruce-Fir Forests of the North American Taiga." The committee to conduct the examination consists of Professors Henry J. Oosting, Lewis E. Anderson, W. Dwight Billings, Robert L. Wilbur, and S. Dunstan Heron (minor). Professor Oosting will preside.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Jesse H. Brown for the Ph.D. degree in Religion will be held on Monday, May 18th at 3:30 p.m. in Room 307 Divinity Building. The subject of Mr. Brown's dissertation is "The Contributions of W. Robertson Smith to Old Testament Scholarship, with Special Emphasis on Higher Criticism." The committee to conduct the examination consists of Professors William Stinespring, John Strugnell, Kenneth Clark, Hugh Anderson and Robert Rogers (minor). Professor Stinespring will preside.

### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar on Tuesday, May 19th at 12:00 noon, in Room M-204 Davison Building. Dr. C. Eyzaguirre, Department of Physiology, University of Utah, will speak on the topic, "Chemoreceptor Activity of the Carotid Body."

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Charles Wellborn for the Ph.D. degree in Religion will be held on Tuesday, May 19th at 3:00 p.m. in the Library Conference Room. The subject of Mr. Wellborn's dissertation is "Twentieth Century Pilgrimage: Walter Lippmann and the Public Philosophy." The committee to conduct the examination consists of Professors Creighton Lacy, Waldo Beach, Hans Hillerbrand, Shelton Smith and John Hallowell. Professor Lacy will preside.

### **PHYSIOLOGY AND PHARMACOLOGY SEMINAR**

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar on Tuesday, May 19th at 4:00 p.m. in Room M-204 Davison Building. Dr. Leon Lack, Department of Pharmacology and Experimental Therapeutics, Johns Hopkins University School of Medicine, will speak on the topic, "Active Transport of Bile Salts."

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Stephen C. Boone for the Ph.D. degree in Anatomy will be held on Wednesday, May 20th at 9:30 a.m. in Room 405 Davison Building. The subject of Mr. Boone's dissertation is "The Site and Synthesis of Lignoceric and Nervonic Acids." The committee to conduct the examination consists of Professors Salih Wakil, Duncan Hetherington, Montrose Moses, Norman Kirshner, and Talmage Peele. Professor Wakil will preside.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. John E. Woodham for the Ph.D. degree in History will be held on Wednesday, May 20th at 10:00 a.m. in Room 103, the Library Conference Room. The subject of Mr. Woodham's dissertation is "Hipolito Uanue and The Enlightenment in Peru." The committee to conduct the examination consists of Professors John Tate Lanning, John R. Alden, Harold T. Parker, Joel G. Colton, and Robert R. Wilson (minor). Professor Lanning will preside.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Paul Wohlford for the Ph.D. degree in Psychology will be held on Wednesday, May 20th at 11:00 a.m. in Room 222 Psychology Building. The subject of Mr. Wohlford's dissertation is "Determinants of Extension of Personal Time." The committee to conduct the examination consists of Professor Michael A. Wallach, Donald K. Adams, Irving E. Alexander, Kurt W. Baek, and Karl Zener. Professor Wallach will preside.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Max K. Sutton for the Ph.D. degree in English will be held on Wednesday, May 20th at 2:00 p.m. in Room 312 Allen Building. The subject of Mr. Sutton's dissertation is "Shaping Forces In the Theory and

Practice of Victorian Humor." The committee to conduct the examination consists of Professors Lionel Stevenson, Benjamin Boyce, C. Richard Sanders, and Charles Baylis (minor). Professor Stevenson will preside.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. W. H. Purell, Jr. for the Ph.D. degree in Mathematics will be held on Wednesday, May 20th at 3:00 p.m. in Room 219 Physics Building. The subject of Mr. Purell's dissertation is "A Calculus-of-Variations Approach to the Eigenvalues of a Finite-Difference Equation." The committee to conduct the examination consists of Professors F. G. Dressel, D. W. Dean, T. M. Gallie, S. L. Warner, and F. R. Tangherlini.

### **SOCIETY OF FRIENDS MEETING**

The Society of Friends (Quakers) will hold their Monthly Meeting on Thursday, May 21st for business at 7:30 p.m. at the Friends Meeting House (Alexander Street next to Baptist Student Center). The meeting will be preceded by "potluck supper" at 6:00 p.m. For information call Mrs. Martha Klopfer at 286-4868. All are welcome.

### **NEWCOMER'S CLUB RECEPTION**

The final meeting of the Duke University Newcomers' Club will be an evening reception for members and their husbands given by President and Mrs. Douglas Knight at their home on Thursday, May 21st at 8:00 p.m.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. John Strickland Boyer for the Ph.D. degree in Botany will be held on Friday, May 22nd at 8:30 a.m. in Room 140 Biological Sciences Building. The subject of Mr. Boyer's dissertation is "Effects of Water Stress on Metabolic Rates of Cotton Plants with Open Stomates." The committee to conduct the examination consists of Professors Paul J. Kramer, Aubrey W. Naylor, Lewis E. Anderson, Terry W. Johnson, and Charles Tanford. Professor Kramer will preside.

### **IGAS ART EXHIBITIONS EAST AND WEST GALLERIES**

The Department of Art and the Student Union's Fine Arts Committee is showing a traveling exhibition from the International Graphic Arts Society, Inc., New York City as the final exhibit in the academic year in the East Gallery in the Woman's College Library and the West Gallery in the West Union Building's Alumni Lounge. The public is extended a cordial invitation to see these contemporary art works.

The exhibitions present a cross-section of works by contemporary American, European and Japanese artists from the approximately 500 editions which IGAS has published during the twelve years of its operation. They are a balanced selection ranging from realistic and traditional to abstract and expressionist forms—a fair presentation of all styles current in the United States and abroad.



## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Henry Otto Stone, Jr. for the Ph.D. degree in Zoology will be held on Friday, May 22nd at 9:00 a.m. in Room 225 Biological Sciences Building. The subject of Mr. Stone's dissertation is "The Effect on Blood Viscosity of Red Cell Size and Shape." The committee to conduct the examination consists of Professors Knut Schmidt-Nielsen, Karl M. Wilbur, John R. Gregg, Irwin Fridovich (minor), and Robert Hill (minor). Professor Schmidt-Nielsen will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Prem P. Sehgal for the Ph.D. degree in Botany will be held on Friday, May 22nd at 2:00 p.m. in Room 140 Biological Sciences Building. The subject of Mr. Sehgal's dissertation is "Ontogenetic, Physical and Chemical Studies on Urease in *Canavalia ensiformis*, DC." The committee to conduct the examination consists of Professors Aubrey W. Naylor, Paul J. Kramer, H. S. Perry, W. D. Billings, and Ronald C. Greene. Professor Naylor will preside.

## CHEMISTRY STAFF SEMINAR

The Department of Chemistry will hold a Staff Seminar on Friday, May 22nd in Room 01 Chemistry Building at 4:00 p.m. Professor Emery Gellert from the Wollongong University College of the University of New South Wales will speak on the topic, "Possible Biogenetic Relationships Between Different Basic Alkaloid Systems." All interested persons are cordially invited to attend.

## FORUM ON GENERAL PRACTICE

The Duke Endowment and the Student American Medical Association will present a Forum on General Practice to be held in the hospital amphitheater on Saturday, May 23rd at 11:30 a.m. Dean Barnes Woodhall will be moderator of a panel which includes Dr. Nicholas Pisacano, Associate Professor of Postgraduate Medicine, University of Kentucky who will speak on "Training A Doctor for General Practice"; Dr. Amos Johnson, President Elect, American Academy of General Practice who will speak on "The Future of General Practice in America"; Dr. Edgar Beddington, President, North Carolina Academy of General Practice who will discuss "General Practice As A Career"; and Dr. Ernest Furgurson, Director of Plymouth Clinic, North Carolina who will speak on "Satisfactions of General Practice." Portions of the Forum will be broadcast. The Forum will conclude at 1:00 p.m.

## 1964 ALUMNI AND COMMENCEMENT EVENTS

FRIDAY—May 29th

9:00 a.m. Registration begins (West Campus Union Lobby).  
From 8:00 a.m. 16th Annual Alumni Golf Tournament Begins.

5:00 p.m. NROTC 20th Reunion, Swim Party and Dinner, Jack Tar Hotel.

5:00 p.m. 1933-36, Open House and Dinner, West Campus Union.

6:00 p.m. Junior Varsity Begins.

6:30 p.m. 1939, Social Hour, Buffet Dinner, Holiday Inn (downtown).

6:30 p.m. Medical 1939, Social Hour and Dinner, Hope Valley Country Club.

6:30 p.m. 1954, Social Hour and Dinner-Dance, Jack Tar Hotel.

6:30 p.m. Medical 1954, Social Hour and Dinner, Hartman's Steak House.

SATURDAY—May 30th

Alumni Golf Tournament Continues (Golfers may tee off as late as 11:00 a.m.)

8:30 a.m. 1939, Breakfast, West Campus Union.

8:30 a.m. 1933-36, Breakfast, West Campus Union.

9:30 a.m. Medical 1939 and 1954 Continental Breakfast, Medical Center.

10:00 a.m. Alumni Lecture Series VI—"Latin America in Ferment."

12:15 p.m. Engineering Alumni Association Luncheon, Men's Graduate Center Dining Halls.

1:00 p.m. National Council Luncheon, Union Ballroom.

2:00-4:30 p.m. Guided Tours of Campus.

4:00 p.m. Medical 1939, Social Hour—Open House at Holiday Inn (West).

4:00 p.m. Medical 1954, Social Hour at Schrafft's Country Inn.

4:00 p.m. 1954, Open House, Home of Edward and Elizabeth Hart King, 2705 Princeton Drive.

4:00 p.m. 1958-60, Open House, Home of W. Banks and Nancy Walker Anderson, Jr., 3437 Sheridan Drive.

4:00 p.m. 1939, Open House for invited faculty and staff.

6:00 p.m. General Alumni Dinner, The Great Hall.

8:45 p.m. Hoof 'n' Horn Show "Can-Can," Page Auditorium.

9:00 p.m. NROTC 20th Reunion Dance, Saddle and Fox Steak House, 3211 Hillsboro Road.

SUNDAY—May 31st

8:30 a.m. 1914, Breakfast, Old Trinity Room.

9:00 a.m. 1954, Breakfast, Men's Graduate Center Dining Halls.

11:00 a.m. Baccalaureate Sermon, Douglas Maitland Knight, President of Duke University.

12:30 p.m. Half Century Club Luncheon, Ballroom.

12:30 p.m. 1939, Buffet Luncheon, The Great Hall.

1:00 p.m. 1916, Annual Buffet Luncheon, "D" Room, West Campus Union.

1:00 p.m. 1917, Buffet Luncheon, Men's Graduate Center Dining Halls.

6:00 p.m. Outdoor Reception, honoring Graduating Classes, East Campus Lawn.

8:15 p.m. Hoof 'n' Horn Show, "Can-Can," Page Auditorium.

MONDAY—June 1st

8:00 a.m. Commissioning Exercises, NROTC. AFROTC.

10:30 a.m. Graduating Exercises, Calvin Bryce Hoover, James B. Duke Professor of Economics, speaker. Indoor Stadium.

## DINING HALLS COMMENCEMENT SCHEDULE—1964

SATURDAY—May 30

<i>University Room</i>		<i>Oak Room</i>
Breakfast	7:00- 9:30	
Snack Bar	9:30-11:00	
Lunch	11:00- 2:00	11:30- 2:00
Dinner	5:00- 7:00	5:09- 7:00

SUNDAY—May 31

<i>Blue and White Room</i>		<i>Oak Room</i>
Breakfast	7:00-10:30	
Lunch	11:30- 2:00	11:30- 2:00
Dinner	5:00- 7:00	5:00- 7:00

MONDAY—June 1

<i>Blue and White Room</i>		<i>Oak Room</i>
Breakfast	7:00- 9:30	
Snack Bar	9:00-11:00	
Lunch	11:30- 2:00	11:30- 2:00
Dinner	5:00- 6:30	

WEEK OF

May 24-June 1, 1964

WEEK OF

May 24-June 1, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, May 24

Denominational Meetings. See special notice.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship, University Chapel. Preacher: The Reverend Dr. W. Arthur Kale. Sermon: "The Agonies of a Good Conscience." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, May 25

9:30 a.m. The Final Examination of Mr. John Darrell Bashaw for the Ph.D. degree in Chemistry. Room 220 Chemistry Building.

2:00 p.m. The Final Examination of Mr. John Reid Hauser for the Ph.D. degree in Engineering. Room 132 Engineering Building.

4:30-5:30 p.m. East Campus Pool open for women: faculty, staff members and students.

### Tuesday, May 26

9:30 a.m. The Final Examination of Mr. David Rogers for the Doctor of Education degree. Room 08A West Duke Building.

4:30-5:30 p.m. East Campus Pool open for women: faculty, staff members and students.

7:30 p.m. Address by the Honorable Robert F. Kennedy, Attorney General of the United States. Page Auditorium.

### Wednesday, May 27

9:00 a.m. The Final Examination of Mr. David Kaylor for the Ph.D. degree in Religion. Library Conference Room.

9:00 a.m. The Final Examination of Mr. Robert Ross Byrd for the Doctor's Degree in Education. Room 08-A West Duke Building.

10:00 a.m. The Final Examination of Mr. William Kierce for the Ph.D. degree in English. Room 312 Allen Building.

2:00 p.m. The Final Examination of Mr. William Hoyt Danzler for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.

### Thursday, May 28

4:00 p.m. Physiology and Pharmacology Seminar. Room 204 Davison Building. Speaker: Professor Bernard C. Abbott.

4:00 p.m. Academic Council Meeting. Room 208 Flowers Building.

### Friday, May 29

8:00 a.m. Alumni Golf Tournament. Duke University Golf Course.

9:00 a.m. Registration for Alumni and Commencement Events. West Campus Union Lobby. (See special notice for schedule of events.)

4:00 p.m. Regular University Faculty Meeting. Room 125 Engineering Building.

**IMPORTANT**—Notices for the Sundial should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



Saturday, May 30

- 10:00 a.m. Phi Beta Kappa Business Meeting. Room 205 Divinity School.
- 10:00 a.m. Alumni Lecture Series VI. "Latin America In Ferment." Room 139 Social Science Building.
- 2:00-4:00 p.m. Chapel Choir Rehearsal. University Chapel.
- 8:30 p.m. Hoof 'n' Horn Production, "Can-Can." Page Auditorium.

Sunday, May 31

- 11:00 a.m. Baccalaureate Sermon: Dr. Douglas M. Knight, President of Duke University. University Chapel.
- 2:30 p.m. School of Nursing Pin Ceremony. University Chapel.
- 3:30 p.m. Commencement Carillon Recital: Anton Brees. University Chapel.
- 4:30 p.m. Commencement Organ Recital: Mildred L. Hendrix and Julia Mueller.
- 6:00 p.m. Commencement Outdoor Reception. Lawn in front of East Duke Building.
- 7:25 p.m. Flag Lowering. East Campus.
- 8:15 p.m. Hoof 'n' Horn: "Can-Can." Page Auditorium.

Monday, June 1

- 8:00 a.m. AFOTC Commencement Ceremony.  
Engineering Auditorium.
- 8:30 a.m. NROTC Commencement Ceremony.  
Chapel Steps.
- 10:30 a.m. Graduation Exercises. Indoor Stadium.  
Speaker: Calvin Bryce Hoover, James B.  
Duke Professor of Economics.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. W. Arthur Kale, Professor of Christian Education, the Divinity School, will deliver the sermon at the University Service of Worship at 11:00 a.m. on Sunday, May 24th in the University Chapel. His subject will be "The Agonies of a Good Conscience." The order of worship follows:

Opening Organ Voluntary—Pastorale	<i>Darius Milhaud</i>
Rhosymedre	<i>Vaughan Williams</i>

Hymn—"A Mighty Fortress Is Our God" *Martin Luther*

## The Prayer of Adoration

## The Lord's Prayer

Anthem—"Sing Unto the Lord"

Scripture Lesson—Job 6:1-4; 19:21-26

Hymn—"Where Cross the

Crowded Ways of Life''

## Call To Prayer

## The Pastoral Prayer of Confession, Thanksgiving,

## Intercession and Petition

## The Offering

Offertory Organ Interlude

Anthem—"Alleluia!"

### Response—The Doxology

## Prayer of Dedication

Sermon—"The Agonies of a Good Conscience,"

## Prayer

## Benediction

Choral Response—"Amen"

## The Chimes

Closing Organ Voluntary—Fugue in E flat

(the St. Anne)

*J. S. Bach*

FINAL EXAMINATION  
FOR THE PH.D. DEGREE

The final examination of Mr. John Darrell Bashaw for the Ph.D. degree in Chemistry will be held on Monday, May 25th at 9:30 a.m. in Room 220 Chemistry Building. The subject of Mr. Bashaw's dissertation is "Experimental Studies of Some Organic Semiconductors." The committee to conduct the examination consists of Professors Paul Gross, Peter Smith, Douglas Hill, Jacques Poirier and Horst Meyer. Professor Gross will preside.

FINAL EXAMINATION  
FOR THE PH.D. DEGREE

The final examination of Mr. John Reid Hauser for the Ph.D. degree in Electrical Engineering will be held on Monday, May 25th at 2:00 p.m. in Room 132 Engineering Building. The subject of Mr. Hauser's dissertation is "A Study of Interactions in Silicon Multi-Junction Devices." The committee to conduct the examination consists of Professors Robert M. Burger, Harry A. Owen, Jr., Theo C. Pilkington, and Harold W. Lewis. Professor Burger will preside.

# FINAL EXAMINATION FOR THE D.ED. DEGREE

The final examination of Mr. David Rogers for the Doctor of Education Degree will be held on Tuesday, May 26th at 9:30 a.m. in Room 08A West Duke Building. The subject of Mr. Rogers' dissertation is "A Description of the In-Service Education Program in the City Schools of Lumberton, North Carolina for the 1961-62 School Year." The committee to conduct the examination consists of Professors W. A. Stumpf, E. C. Bolmeier, A. S. Hurlburt, W. S. Gehman, and Donald F. Roy. Professor Stumpf will preside.

ADDRESS BY THE HONORABLE  
ROBERT F. KENNEDY  
ATTORNEY GENERAL OF  
THE UNITED STATES

On Tuesday, May 26th the University will have as its guest the Honorable Robert F. Kennedy, Attorney General of the United States, who will speak in Page Auditorium at 7:30 p.m. The public is cordially invited to attend the address and to participate in the question-answer period following. Mr. Kennedy's enroute visit will be sponsored by the Educational Affairs Committee of the Duke Student Union.

FINAL EXAMINATION  
FOR THE PH.D. DEGREE

The final examination of Mr. David Kaylor for the Ph.D. degree in Religion will be held on Wednesday, May 27th at 9:00 a.m. in the Library Conference Room. The subject of Mr. Kaylor's dissertation is "The Ascension Motif in Luke-Acts, the Epistle to the Hebrews and the Fourth Gospel." The committee to conduct the examination consists of Professors James Price, Hugh Anderson, Frederick Herzog, William Stinespring, and Robert Rogers (minor). Professor Price will preside.

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### FINAL EXAMINATION FOR THE DOCTOR OF EDUCATION DEGREE

The final examination of Mr. Robert Ross Byrd for the Doctor of Education degree will be held on Wednesday, May 27th, at 9:00 a.m. in Room 08-A West Duke Building. The subject of Mr. Byrd's dissertation is "A Synoptic Comparison of Certain Residential Centers Treating Severely Disturbed Children." The committee to conduct the examination consists of Professors W. Scott Gehman, W. H. Cartwright, Ila Gehman, O. L. Petty, and W. A. Stumpf. Professor Gehman will preside.

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### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. William Keirce for the Ph.D. degree in English will be held on Wednesday, May 27th, at 10:00 a.m. in Room 312 Allen Building. The subject of Mr. Keirce's dissertation is "The Place of Samuel Johnson in the History of the Literary Character." The committee to conduct the examination consists of Professors Benjamin Boyce, Charles E. Ward, Holger O. Nygard and Paul Welsh. Professor Boyce will preside.

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### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. William Hoyt Dantzler for the Ph.D. degree in Zoology will be held on Wednesday, May 27th at 2:00 p.m. in Room 225 Biological Sciences Building. The subject of Mr. Dantzler's dissertation is "The Role of the Kidneys and Bladder in the Handling of Water and Solutes in the Fresh-Water Turtle, *Pseudemys scripta*, and the Desert Tortoise, *Gopherus agassizii*." The committee to conduct the examination consists of Professors Bodil Schmidt-Nielsen, Knut Schmidt-Nielsen, Peter H. Klopfer, F. John Vernberg, and Henry Kamin (minor). Professor Bodil Schmidt-Nielsen will preside.

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### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology, Duke University Medical Center, will hold a seminar on Thursday, May 28th at 4:00 p.m. in Room M-204 Davison Building. Professor Bernard C. Abbott, Department of Physiology and Biophysics, University of Illinois will speak on "Aspects of Muscle Contractility."

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### ALUMNI GOLF TOURNAMENT

The 16th annual Duke Alumni Golf Tournament will get underway Friday morning, May 29th at 8:00 a.m. on the Duke University Golf Course. The event is open to all returning Alumni as well as seniors, their parents, and members of the faculty and staff. The tournament will include both men's and women's

divisions plus several special divisions. Trophies and prizes for eleven division winners will be displayed at Alumni Headquarters in the Alumni Lounge of the West Campus Union. Winners will be announced on Saturday night, May 30th and prizes may be picked up on Sunday and Monday, May 31st and June 1st. Registration for the event is \$1.00; Greens Fees are \$3.00.

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### ACADEMIC COUNCIL MEETING

The last regular meeting of the Academic Council during the present academic year is scheduled for 4:00 p.m., Thursday, May 28th, in Room 208 Flowers Building. The agenda will include the following items:

1. Discussion by the Council of the report presented by its Committee on Faculty and Staff Housing, Professor R. L. Watson, Jr., Chairman.
2. Progress report of the Faculty Committee on Tenure Policies and Practices, Professor R. H. Connery, Chairman.

Members are asked to bring with them their copies of the Housing Committee Report. Those unable to attend are asked to give advance notice to the Secretary (Extension 2214; 136 Engineering Building).

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### REGULAR MEETING OF THE UNIVERSITY FACULTY

The University Faculty will meet in regular session in Room 125 Engineering Building on Friday, May 29th at 4:00 p.m. The agenda will include approval of candidates for degrees to be conferred at the Commencement of June 1, 1964.

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### PHI BETA KAPPA BUSINESS MEETING

Phi Beta Kappa will hold its final business meeting of the academic year on Saturday, May 30th, at 10:00 a.m. in Room 205 Divinity School. The main business of this meeting will be the election of undergraduate and graduate members. The committees in charge of these elections will report on their nominations. All active members are urged to be present.

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### 1964 ALUMNI LECTURES

"Latin America in Ferment," a panel discussion, will be the feature of this year's alumni lectures to be held on Saturday, May 30th at 10:00 a.m. in Room 139 Social Science Building. Begun in 1959, this series has become one of the principal high-lights of Commencement and Reunion Weekend. Each panelist will speak for fifteen minutes; then following a short coffee break, the panel will have an informal discussion and entertain questions from the floor.

Members of the panel will be: Dr. Robert S. Smith, Professor of Economics, Dr. Alan K. Manchester, Professor of History and Dean of Trinity College; Dr. E. Croft Long, Associate Professor of Physiology and Pharmacology, and Associate in Pediatrics; and The Reverend Robert P. Hyatt, former Associate Director of Religious Life at Duke. Dr. Smith will moderate the discussion.



## HOOF 'N' HORN PRODUCTION OF "CAN-CAN"

Duke Hoof 'n' Horn Club will present its production of the Broadway smash hit and movie success, "Can-Can," on Saturday, May 30th at 8:30 p.m. and on Sunday, May 31st at 8:15 p.m. The curtain of the Saturday evening performance will not go up until the General Alumni Dinner has adjourned.

Tickets for both performances are \$1.75, all seats reserved, and will be on sale in the Page Auditorium Box Office from Tuesday, May 26th through Sunday, May 31st from 2:00-5:00 p.m. On Saturday and Sunday the box office will remain open from 2:00 p.m. until curtain time.

## COMMENCEMENT CARILLON RECITAL

Anton Brees, Carillonneur, Bok Singing Tower, Lake Wales, Florida, will present a carillon recital from the University Chapel Tower on Sunday, May 31st at 3:30 p.m. as part of the Commencement Program. The performance will be this distinguished artist's 33rd consecutive commencement recital at Duke.

The program follows:

- |  |                         |
|--|-------------------------|
| 1. America   |                         |
| 2. (a) The Blue Bells of Scotland                            | <i>Scottish Song</i>    |
| (b) Santa Lucia  | <i>Neapolitan Song</i>  |
| (c) Jeanie with the Light Brown Hair                         | <i>Stephen Foster</i>   |
| 3. (a) Musette   | <i>J. S. Bach</i>       |
| (b) Gavotte (Les Moutons)                                    | <i>Martini</i>          |
| 4. (a) God of our Fathers                                    | <i>G. Warren</i>        |
| (b) Lead, Kindly Light                                       | <i>J. B. Dykes</i>      |
| 5. (a) Solvejgslied  | <i>Grieg</i>            |
| (b) My Heart at Thy Sweet Voice<br>from "Samson and Delilah" | <i>Saint-Saens</i>      |
| 6. Alma Mater—"Dear Ole Duke"                                | <i>R. H. James, '24</i> |

## COMMENCEMENT RECITAL FOR ORGAN AND STRINGS

One of the musical features of Commencement Weekend will be the organ and violin recital to be presented on Sunday afternoon, May 31st at 4:30 o'clock in the University Chapel by Mildred L. Hendrix, University organist, and Julia Mueller, violinist, both members of the Department of Music. The artists will be heard in selections for organ and violin alone as well as chamber works for both instruments.

Mrs. Hendrix will play the Prelude and Fugue in G minor by Buxtehude, the Bach "St. Anne Fugue in E-flat," and the Introduction and Passacaglia by Max Reger. Additionally, she will be heard in Two Chorale Preludes by the Acting Director of Choral Activities at Duke, Mr. James Young, whose organ preludes had premiered here earlier this year.

Mrs. Mueller, violinist in the Duke String Quartet this past season, will play the unaccompanied Sonata No. 5, opus 5 by Arcangelo Corelli—one of the 12 solo sonatas for violin composed by the late 17th century Italian—the "Trauermusik"—(Music of Mourning) by Paul Hindemith, and the Andante movement of the Mendelssohn-Bartholdy violin concerto, opus 64, the latter two works with organ accompaniment.

Mr. Young's organ preludes, "Es ist genug," and "Wie soll ich dich empfangen," contain melodies familiar in the sacred chorale literature of Bach, although Hans Leo Hassler is credited with the melody

of the second chorale in the group by Mr. Young. He holds degrees in Music Composition from Boston Conservatory of Music, and, before coming to Duke in the fall of 1962 as Assistant Director of Choral Activities under Professor Paul Young, was performing at King's Chapel in Boston. He has composed a piano sonata, a suite for winds, a string quartet, and several short pieces for orchestra and chorus as well as music for the Office of Tenebrae—used the past five years at King's Chapel on Good Friday Night.

The program will be as follows:

- |   |   |
|---|---|
| Prelude and Fugue in G minor                  | <i>Dietrich Buxtehude</i><br>(1637-1707)          |
| Sonata no. V opus 5                           | <i>Arcangelo Corelli</i><br>(1653-1713)           |
| Adagio  |   |
| Vivace  |   |
| Adagio Cantabile                              |   |
| Giga  |   |
| Mrs. Mueller                                  |   |
| Two Chorale Preludes                          | <i>James Young</i><br>(1930- )                    |
| "Es ist genug"                                |   |
| "Wie soll ich dich empfangen"                 |   |
| Trauermusik—Music of Mourning                 | <i>Paul Hindemith</i><br>(1895-1963)              |
| I Langsam                                     |   |
| II Ruhig Bewegt                               |   |
| III Lebhaft                                   |   |
| IV Choral "Für deinen Thron tret ich Hiermit" |   |
| Fugue in E flat (the St. Anne)                | <i>Johann Sebastian Bach</i><br>(1685-1750)       |
| Concerto opus 64 for Violin                   | <i>Felix Mendelssohn-Bartholdy</i><br>(1809-1847) |
| Andante                                       |   |
| Mrs. Mueller                                  |   |
| Introduction and Passacaglia                  | <i>Max Reger</i><br>(1873-1916)                   |

## COMMENCEMENT OUTDOOR RECEPTION

The Committee on Arrangements for the Outdoor Reception in honor of the graduating classes wishes to remind the faculty that this reception is to be held on Sunday, May 31st at 6:00 p.m. on the lawn in front of East Duke Building. All faculty members and their wives are cordially invited to attend. In the event of rain, the reception will be held in the Woman's College Union.

## DINING HALLS COMMENCEMENT SCHEDULE—1964

### SATURDAY—May 30

<i>University Room</i>		<i>Oak Room</i>
Breakfast	7:00- 9:30	
Snack Bar	9:30-11:00	
Lunch	11:00- 2:00	11:30- 2:00
Dinner	5:00- 7:00	5:00- 7:00

### SUNDAY—May 31

<i>Blue and White Room</i>		<i>Oak Room</i>
Breakfast	7:00-10:30	
Lunch	11:30- 2:00	11:30- 2:00
Dinner	5:00- 7:00	5:00- 7:00

### MONDAY—June 1

<i>Blue and White Room</i>		<i>Oak Room</i>
Breakfast	7:00- 9:30	
Snack Bar	9:00-11:00	
Lunch	11:30- 2:00	11:30- 2:00
Dinner	5:00- 6:30	

## GENERAL LIBRARY

Intersession schedule May 27—June 9, 1964

Wednesday, May 27	8:00 a.m.- 6:00 p.m.
Thursday, May 28-Tuesday, June 9	
Monday-Friday	8:00 a.m.- 5:00 p.m.
Saturday	8:00 a.m.- 1:00 p.m.
Sunday	Closed

Summer Session—June 10-August 21

Monday-Friday	8:00 a.m.-10:00 p.m.
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	2:00 p.m.- 6:00 p.m.

## WOMAN'S COLLEGE LIBRARY

Wednesday, May 27	8:00 a.m.- 6:00 p.m.
Thursday, May 28-Wednesday, Sept. 23	
Monday-Friday	8:30 a.m.- 4:30 p.m.
Saturday	8:30 a.m.- 1:00 p.m.
Sunday	Closed

Schedules for other libraries will be posted.

## 1964 SUMMER SESSION

Registration for Term I for the 1964 Summer Session will be Tuesday, June 9th from 8:30 a.m. to 1:00 p.m. Term II registration must be completed by Thursday, July 16th. Duke students may pre-register prior to Friday, June 5th.

Summer Session Bulletins and information may be obtained at Room 119 Allen Building or by calling extension 2621.

## IGAS ART EXHIBITIONS EAST AND WEST GALLERIES

The Department of Art and the Student Union's Fine Arts Committee is showing a traveling exhibition from the International Graphic Arts Society, Inc., New York City as the final exhibit in the academic year in the East Gallery in the Woman's College Library and the West Gallery in the West Union Building's Alumni Lounge. The public is extended a cordial invitation to see these contemporary art works.

The exhibitions present a cross-section of works by contemporary American, European and Japanese artists from the approximately 500 editions which IGAS has published during the twelve years of its operation. They are a balanced selection ranging from realistic and traditional to abstract and expressionist forms—a fair presentation of all styles current in the United States and abroad.

## UNIVERSITY CALENDAR ANNOUNCEMENT

This is the final issue of the University Weekly Calendar for the year 1963-64. On Tuesday, June 9th, registration day for the Summer Session, the first issue of the SUNDIAL, an announcement of weekly activities of the summer months, will be distributed in the Indoor Stadium. This will be a general orientation issue. Anyone wishing to have a notice in this issue is requested to submit copy to the Calendar Office, Room 202-A Flowers Building, by 1:00 p.m. on Thursday, June 4th.

The SUNDIAL will be issued each Saturday there-

after during the summer session months. It will be distributed to the faculty and administration on East and West Campuses and will be available to students on bulletin boards and in the dormitory offices.

Copy for regular issues of the SUNDIAL must be submitted in typewritten form to Room 202-A Flowers Building by 1:00 p.m. on Wednesday prior to publication on Saturday.

## 1964 ALUMNI AND COMMENCEMENT EVENTS

FRIDAY—May 29th

- 9:00 a.m. Registration begins (West Campus Union Lobby).
- From 8:00 a.m. 16th Annual Alumni Golf Tournament Begins.
- 5:00 p.m. NROTC 20th Reunion, Swim Party and Dinner, Jack Tar Hotel.
- 5:00 p.m. 1933-36, Open House and Dinner, West Campus Union.
- 6:00 p.m. Junior Varsity Begins.
- 6:30 p.m. 1939, Social Hour, Buffet Dinner, Holiday Inn (downtown).
- 6:30 p.m. Medical 1939, Social Hour and Dinner, Hope Valley Country Club.
- 6:30 p.m. 1954, Social Hour and Dinner-Dance, Jack Tar Hotel.
- 6:30 p.m. Medical 1954, Social Hour and Dinner, Hartman's Steak House.

SATURDAY—May 30th

- Alumni Golf Tournament Continues (Golfers may tee off as late as 11:00 a.m.)
- 8:30 a.m. 1939, Breakfast, West Campus Union.
- 8:30 a.m. 1933-36, Breakfast, West Campus Union.
- 9:30 a.m. Medical 1939 and 1954 Continental Breakfast, Medical Center.
- 10:00 a.m. Alumni Lecture Series VI—"Latin America in Ferment."
- 12:15 p.m. Engineering Alumni Association Luncheon, Men's Graduate Center Dining Halls.
- 1:00 p.m. National Council Luncheon, Union Ballroom.
- 2:00-4:30 p.m. Guided Tours of Campus.
- 4:00 p.m. Medical 1939, Social Hour—Open House at Holiday Inn (West).
- 4:00 p.m. Medical 1954, Social Hour at Schrafft's Country Inn.
- 4:00 p.m. 1954, Open House, Home of Edward and Elizabeth Hart King, 2705 Princeton Drive.
- 4:00 p.m. 1958-60, Open House, Home of W. Banks and Nancy Walker Anderson, Jr., 3437 Sheridan Drive.
- 4:00 p.m. 1939, Open House for invited faculty and staff.
- 6:00 p.m. General Alumni Dinner, The Great Hall.
- 8:30 p.m. Hoof 'n' Horn Show "Can-Can," Page Auditorium.
- 9:00 p.m. NROTC 20th Reunion Dance, Saddle and Fox Steak House, 3211 Hillsboro Road.

SUNDAY—May 31st

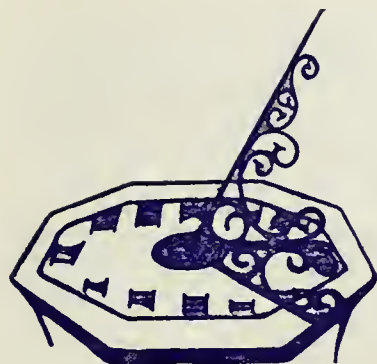
- 8:30 a.m. 1914, Breakfast, Old Trinity Room.
- 9:00 a.m. 1954, Breakfast, Men's Graduate Center Dining Halls.
- 11:00 a.m. Baccalaureate Sermon, Douglas Maitland Knight, President of Duke University.
- 12:30 p.m. Half Century Club Luncheon, Ballroom.
- 12:30 p.m. 1939, Buffet Luncheon, The Great Hall.
- 1:00 p.m. 1916, Annual Buffet Luncheon, "D" Room, West Campus Union.
- 1:00 p.m. 1917, Buffet Luncheon, Men's Graduate Center Dining Halls.
- 6:00 p.m. Outdoor Reception, honoring Graduating Classes, East Campus Lawn.
- 8:15 p.m. Hoof 'n' Horn Show, "Can-Can," Page Auditorium.

MONDAY—June 1st

- 8:00 a.m. Commissioning Exercises, NROTC, AFROTC.
- 10:30 a.m. Graduating Exercises, Calvin Bryce Hoover, James B. Duke Professor of Economics, speaker. Indoor Stadium.







# THE SUNDIAL OF DUKE UNIVERSITY

JUNE 28-JULY 4, 1964

## Events of the Week

### SUNDAY, JUNE 28

- 8:30-9:00 a.m. Chapel Choir Rehearsal. University Chapel.
- 9:30-10:30 a.m. University Service of Worship. University Chapel. Presiding Minister: The Reverend A. Jack Wilson, III, Associate Director of Religious Activities. Preacher: The Reverend Charles Wellborn, Tyner Professor of Religion, Campbell College. Subject: "Is Anything Wrong."
- 10:45-11:30 a.m. Chapel Social Hour. Union Ballroom.
- 11:00 a.m. University Service of Worship broadcast over Radio Station WDNC.
- 4:30 p.m. Y.W.C.A. Annual International Picnic. Home of Dr. and Mrs. W. K. Cuyler on Garrett Road.
- 6:30 p.m. Service of Holy Communion. Westminster House (the Presbyterian Student Center). Alexander Avenue.

### MONDAY, JUNE 29

- 2:00-3:30 p.m. West Campus Pool open for women.
- 4:15-5:30 p.m. West Campus Pool open for men.
- 8:15-9:30 p.m. West Campus Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their own parents.

### TUESDAY, JUNE 30

- 12:30 p.m. Summer Luncheon for Education Students. Union Ballroom.
- 2:00-3:30 p.m. West Campus Pool open for women.
- 4:15-5:30 p.m. West Campus Pool open for men.

- 4:30 p.m. Softball game. Economics vs. The Institute.
- 4:30 p.m. Softball game. Chemistry vs. The Boomers.
- 4:30 p.m. Mets vs. Psychology-Sociology.

### WEDNESDAY, JULY 1

- 2:00-3:30 p.m. West Campus Pool open for women.
- 4:15-5:30 p.m. West Campus Pool open for men. Meeting of Softball Managers. Champion declared. All-Star team selected. Card Gymnasium.
- 8:00 p.m. Summer Entertainment Series: Bartron, American Pantomimist. Page Auditorium. Informal reception following performance. Union Ballroom.

### THURSDAY, JULY 2

- 2:00-3:30 p.m. West Campus Pool open for women.
- 4:15-5:30 p.m. West Campus Pool open for men. Softball All-Star Team Practice.
- 7:00-9:00 p.m. Open Seminar on "Science and Christian Faith: Towards a Reunion." Room 237 Building 10. Speaker: Dr. Roger Pain.
- 8:15-9:30 p.m. West Campus Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their own parents.

### FRIDAY, JULY 3

- 2:00-3:30 p.m. West Campus Pool open for women.
- 4:15-5:30 p.m. West Campus Pool open for men.
- 8:30-11:30 p.m. Friday Night Open House. Card Gymnasium.

**IMPORTANT**—Notices for The Sundial should be submitted in written form to  
Room 202-A Flowers Building, West Campus, not later than 1:00 p.m.  
Wednesday. Extension 2911.



## SATURDAY, JULY 4

No Classes.

2:00-3:30 p.m. West Campus Pool open for women.

4:15-5:30 p.m. West Campus Pool open for men.

7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Lucky Jim," with Ian Carmichael, Terry Thomas, and Hugh Griffith, is a rollicking lampoon of university life by the Boulting Brothers, Britain's most successful laugh-makers. "They'll laugh their heads off—and think a little, too!"—*N. Y. Post*. Adults \$.50, Children \$.10.

### CHAPEL ANNOUNCEMENTS

The preacher who is scheduled to deliver the sermon at the University Service of Worship on Sunday, July 5th, is The Reverend Dr. Thor Hall, Assistant Professor of Preaching and Theology, in the Divinity School. The service will commence at 9:30 a.m. and will be concluded at 10:30 a.m.

Following the University Service of Worship each Sunday, the congregation is invited to go directly to the Union Ballroom, on the second floor of the Union Building, for an informal period of fellowship and discussion. The Ballroom is air-conditioned. Members of the congregation will have opportunity to ask questions pertaining to the Chapel sermon and to meet other members of the congregation whom they do not know. This experimental feature of the University's Sunday program is made possible by the change in the hour of the University Service. The informal period in the Ballroom will last until 11:30 a.m.

Customarily, the University Service of Worship is broadcast through the facilities of Radio Station WDNC. During the summer months, this feature will be continued. The service will be taped at 9:30 a.m. and will be broadcast at 11:00 a.m.

### ADVANCE NOTICE OPEN LECTURE BY PHILIP B. GOVE

The Editor-in-Chief of Webster's Third New International Dictionary, Dr. Philip B. Gove, will address a luncheon meeting at the North Carolina Teachers of English Association on Friday, July 10th, at 1:00 p.m. in the Union Ballroom. All those interested are cordially invited to attend.

### SUMMER ENTERTAINMENT SERIES BARTRON, AMERICAN PANTOMIMIST

Bartron, the American Pantomimist, will be featured in the second performance of the Duke Summer Entertainment Series at 8:00 p.m. on Wednesday, July 1st, in Page Auditorium. The public is invited to attend without charge.

Active since childhood in all phases of theatrical endeavor, Mr. Harry Bartron studied at Xavier University in Cincinnati, Ohio, and later became a member for four years of the Uptown Players of

Chicago both as actor and director. Continued study in dramatic technique and the dance ended in the realization of his life's work, pantomime. During the early 1950's, Mr. Bartron took part in the early phases of the now well established "off-Broadway" movement by presenting his pantomimes regularly at the Originals Only Playhouse. Then followed performances with the Schubert road production of "The Student Prince; the New York revival of Philip Barry's "Here Come the Clowns" and "On the Carousel." Mr. Bartron has appeared in 36 states, in Canada and the British Isles. He has appeared on television over CBS network, the CBS in Toronto and BBC network. A member of the International Platform Association, the American Educational Theatre Association, and the National Catholic Theatre Conference, he is the author of forty original pantomimes.

Following the performance the audience is invited to an open house in the Union Ballroom where they can meet the artist and question him concerning his art form.

### Y.W.C.A. ANNUAL INTERNATIONAL PICNIC

The Durham Y.W.C.A. will hold its annual international picnic at the home of Dr. and Mrs. W. K. Cuyler on Garrett Road (turn right on Garrett Road off Chapel Hill Road) on Sunday, June 28th at 4:30 p.m. For details and transportation assistance, please call extension 2767.

### 1964 SUMMER SESSION SOFTBALL LEAGUE (FIRST TERM)

Date:	Game:
Tuesday, June 30th	Economics vs. The Institute Chemistry vs. The Boomers Mets vs. Psychology-Sociology
Thursday, July 2nd	All-Star Practice
Wednesday, July 1st	Card Gymnasium—Meeting of managers —Champion declared—All-Star team selected.
Tuesday, July 7th	Champion vs. All-Star or League Play-off.
Wednesday, July 8th	Banquet for Runner-up team.
Thursday, July 9th	Banquet of Champions.

### Special Notice

All games played on Tuesday and Thursday with starting time at 4:30 p.m. All rain-out games played on following Monday and Wednesday.

### OPEN SEMINAR ON "SCIENCE AND CHRISTIAN FAITH: TOWARDS A REUNION"

A non-credit seminar for the Summer Session, "Science and Christian Faith: Towards a Reunion," is being offered under the auspices of the Methodist Center on Thursday, July 2nd, and Thursday, July 9th, during the first term of the Summer Session. Leader of the Seminar will be Dr. Roger Pain, Professor of Biochemistry of the University of London. Dr. Pain, an articulate Christian layman, is currently doing research in Biochemistry

at Duke. The seminars will be held in Building 10 (Old Social Science Building, next to Allen Building), in Room 237, from 7:00-9:00 p.m. The Seminar is open to all members of the University Community.

### LET'S GO SWIMMING

Special mixed swimming parties may be scheduled by state clubs or by other student groups Tuesday, Wednesday, Friday, and Saturday nights.

### FRIDAY NIGHT OPEN HOUSE

Every Friday evening during the first Summer Session, an informal open house will be held in Card Gymnasium during the hours of 8:30-11:30 p.m. The entertainment fare includes bridge, dancing, badminton, table tennis, and swimming. Refreshments will be served. No escort is needed and a cordial invitation is extended to all.

### NO CLASSES SATURDAY

Summer Session classes will NOT meet on Saturday, July 4th.

### DUKE PRESCHOOL ANNOUNCEMENT

There is an opening in the afternoon kindergarten (5-year old group) for 1964-65 of the Duke Preschool. Please contact the school secretary, Mrs. Silva, Extension 4395, 1:00-5:00 p.m. and 7:00-11:00 p.m. or Miss Hinman, Director, 286-3382.

### DUKE SUMMER ENTERTAINMENTS

An interesting and varied program of entertainments has been planned for the Summer Session to which the entire community is cordially invited. Sponsored by the Summer Sessions Office and Quadrangle Pictures, the programs are being planned through the Student Activities Office. All the performances will be open to the public without charge.

The schedule of entertainments are as follows:

- 8:00 p.m. Wednesday, July 1st. Bartron, American Pantomimist. Page Auditorium.
- 8:15 p.m. Wednesday, July 8th. Piano Recital: Yoko Nozaki. Engineering Auditorium.
- 8:15 p.m. Thursday, July 9th. Piano Recital by Susan Starr and Kenneth Amada. Page Auditorium.
- 7:00 p.m. Sunday, July 19th. Outdoor Concert: The Folk-songs and Satire of Joe and Penny Aronson. West Campus Quadrangle.
- 8:15 p.m. Thursday, July 23rd. Sonata Recital: Julia Mueller, Violin and Ruth Friedberg, Piano. Engineering Auditorium.

Besides these events Quadrangle Pictures will present Saturday evening showings of foreign films in Page Auditorium. Details for all programs and films will be carried in the summer calendar, The Duke Sundial.

### STUDENT UNION RECREATIONAL FACILITIES

The Student Union Game Room and Music Lounge will be open for use during the Summer Session. The

Game Room, located in 02 Flowers Building, will be open from 1:00 p.m. to 10:00 p.m. Monday through Saturday for billiards and table tennis. The Music Lounge is located off the main lounge. Playing cards, chess sets, and checkers may be secured at the Information Center for use in the building.

### WESTMINSTER HOUSE HOSPITALITY

Summer School students are invited to use the air-conditioned facilities of the Westminster House (the Presbyterian Student Center) on Alexander Avenue for study, reading and relaxation. The Center will be open Monday through Friday from 1:00 p.m. until 11:00 p.m.

### PLAY HOURS

Sports: badminton, volleyball, horseshoe pitching, croquet, and archery are included in the Recreation Program. Equipment for these activities is available in Card Gymnasium, from 2:30 until 5:30 p.m., Monday through Friday. In addition to the above program, Intramural tournaments will be held for both men and women in handball, tennis, softball, and badminton.

### TERM I FINAL EXAMINATION SCHEDULE

Classes scheduled at:	Examinations are:
7:40- 9:00 a.m. daily	Tues. July 14th, 7:40-10:40 a.m.
1:40- 3:00 p.m. daily	Tues., July 14th, 1:40-4:40 p.m.
9:20-10:40 a.m. daily	Tues., July 14th, 7:00-10:00 p.m.
11:00 a.m.-12:20 p.m. daily	Wed., July 15th, 7:40-10:40 a.m.

The examinations in four-semester hour science courses will be held in accordance with a schedule arranged by the department concerned.

Examinations for all short term courses will be on the last scheduled class day. The instructor will make the time arrangements.

All other examinations must be held and taken according to the above schedule.

Any student who desires a report of grades from the instructor should leave a self-addressed postal card or stamped envelope with the instructor. Grades will not be given out orally at the Summer Session Office.

### TERM II REGISTRATION

Students who have pre-enrolled for Term II are urged to complete the entire process of registration between the hours of 9:30 a.m. and 12:00 noon and 2:00 to 4:00 p.m. in the Summer Session Office, Room 119 Allen Building, between July 6th and July 15th.

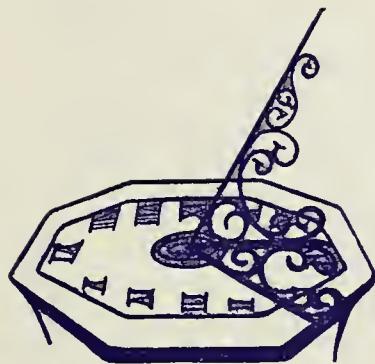
Those students who have not pre-enrolled for Term II are urged to do so with their respective schools or colleges and then complete the registration as announced above.

The Graduate School will accept registrants during the same hours and on the same dates as indicated above for the Summer Session Office.

Students who complete their registration will not be required to appear on Registration Day, Thursday, July 16th.







# THE SUNDIAL OF DUKE UNIVERSITY

JULY 5-11, 1964

## Events of the Week

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### SUNDAY, JULY 5

- 8:30-9:00 a.m. Chapel Choir Rehearsal. University Chapel.
- 9:30-10:30 a.m. University Service of Worship. University Chapel. Presiding Minister: The Reverend A. Jack Wilson, III, Associate Director of Religious Activities. Preacher: The Reverend Dr. Thor Hall, Assistant Professor of Preaching and Theology, the Divinity School. Subject: "The Cost of Living."
- 10:45-11:30 a.m. Chapel Social Hour. Union Ballroom.
- 11:00 a.m. University Service of Worship broadcast over Radio Station WDNC.
- 6:30 p.m. Service of Holy Communion. Westminster House (the Presbyterian Student Center). Alexander Avenue.

### MONDAY, JULY 6

- 2:00-3:00 p.m. West Campus Pool open for women.
- 2:30-5:30 p.m. Sports Play Hours. Card Gymnasium.
- 4:15-5:30 p.m. West Campus Pool open for men.
- 8:15-9:30 p.m. West Campus Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their own parents.

### TUESDAY, JULY 7

- 12:30 p.m. Summer Luncheon for Education Students. Union Ballroom.

- 2:00-3:30 p.m. West Campus Pool open for women.
- 2:30-5:30 p.m. Sports Play Hours. Card Gymnasium.
- 4:15-5:30 p.m. West Campus Pool open for men.
- 4:30 p.m. Softball Game: Champion vs. All-Star or League Play-Off.

### WEDNESDAY, JULY 8

- 9:30 a.m. 1964 Piano Sessions Opening Meeting. Engineering Building Auditorium. (See Special Notice.)
- 2:00-3:30 p.m. West Campus Pool open for women.
- 2:30-5:30 p.m. Sports Play Hours. Card Gymnasium.
- 4:15-5:30 p.m. West Campus Pool open for men. Banquet for Runner-up Baseball Team.
- 8:15 p.m. 1964 Piano Session Recital: Yoko Nozaki. Auditorium of Engineering Building.

### THURSDAY, JULY 9

- 2:00-3:30 p.m. West Campus Pool open for women.
- 2:30-5:30 p.m. Sports Play Hours. Card Gymnasium.
- 4:15-5:30 p.m. West Campus Pool open for men.
- 5:00 p.m. Kappa Delta Pi Annual Summer Initiation and Picnic. Rear Grounds of Southgate and Gilbert-Addoms Dormitories.
- 6:30-7:30 p.m. Chapel Choir Rehearsal. University Chapel.

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**IMPORTANT**—Notices for The Sundial should be submitted in written form to  
Room 202-A Flowers Building, West Campus, not later than 1:00 p.m.  
Wednesday. Extension 2911.



7:00-9:00 p.m. Open Seminar on "Science and Christian Faith: Towards a Reunion." Room 237 Building 10. Speaker: Dr. Roger Pain. Banquet for Baseball Champions.

8:15 p.m. West Campus Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

8:15 p.m. Duke Summer Entertainment Series: Concert by Susan Starr and Kenneth Amada, Pianists. Page Auditorium. Reception following. Flowers Lounge.

### FRIDAY, JULY 10

1:00 p.m. Luncheon for N. C. Teachers of English Association. Speaker: Dr. Philip B. Gove. Union Ballroom.

2:00-3:30 p.m. West Campus Pool open for women.

2:30 p.m. Scientific Lecture. Auditorium of the Army Research Building.

2:30-5:30 p.m. Sports Play Hours. Card Gymnasium.

2:30 p.m. General Session: N. C. Teachers of English Association. Auditorium, Biological Sciences Building. Panelists: Dr. Philip B. Gove and others.

4:15-5:30 p.m. West Campus Pool open for men.

8:30-11:30 p.m. Summer Session Friday Night Open House. Card Gymnasium.

### SATURDAY, JULY 11

2:00-3:30 p.m. West Campus Pool open for women.

2:30-5:30 p.m. Sports Play Hours. Card Gymnasium.

4:15-5:30 p.m. West Campus Pool open for men.

7:10 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Lucky Jim," a Boulting Brothers Hilarious Comedy starring Ian Carmichael, Terry Thomas, Hugh Griffith and introducing Sharon Acker. A rollicking lampoon of university high (and low) life!

### CHAPEL ANNOUNCEMENTS

The preacher who is scheduled to deliver the sermon at the University Service of Worship on Sunday, July 12th is the Reverend Dr. Howard C. Wilkinson, Chaplain to the University. The service

will commence at 9:30 a.m. and will be concluded at 10:30 a.m.

Following the University Service of Worship each Sunday, the congregation is invited to go directly to the Union Ballroom, on the second floor of the Union Building, for an informal period of fellowship and discussion. The Ballroom is air-conditioned. Members of the congregation will have opportunity to ask questions pertaining to the Chapel sermon and to meet other members of the congregation whom they do not know. This experimental feature of the University's Sunday program is made possible by the change in the hour of the University Service. The informal period in the Ballroom will last until 11:30 a.m.

Customarily, the University Service of Worship is broadcast through the facilities of Radio Station WDNC. During the summer months, this feature will be continued. The service will be taped at 9:30 a.m. and will be broadcast at 11:00 a.m.

### 1964 PIANO SESSIONS

The Seventh Annual Piano Sessions, under the direction of Loren Withers, Director of Piano Studies, Duke University Department of Music, will be held on July 8th, 9th, and 10th in the Engineering Building Auditorium. The regular sessions will convene each day at 9:30 a.m. until 12 noon and from 1:30 until 4:30 p.m.

Recitals by Susan Starr, Kenneth Amada, and Yoko Nozaki will highlight the Sessions and are open to the public without charge as part of the Summer Sessions Entertainment Series. Miss Nozaki, gifted sixteen year old student of Loren Withers and current winner of the North Carolina Symphony Junior Soloist Auditions will be heard in a full program on Wednesday evening, July 8th at 8:15 p.m. in the Engineering Auditorium. Included on her program are:

PRELUDE AND FUGUE IN G MINOR WTC I	Bach
SONATA IN D MINOR, OP. 31, NO. 2	Beethoven
ETUDE IN C SHARP MINOR, OP. 25, NO. 7	Chopin
ETUDE IN G FLAT, OP. 10, NO. 5 ("Black Key")	Chopin
CHILDREN'S CORNER SUITE	Debussy
CONSOLATION NO. 3 IN D-FLAT	Liszt
PAGANINI ETUDE NO. 3 IN G-SHARP MINOR	Liszt
"La Campanella"	

Composer-pianist Richard Trevarthen, currently visiting professor of Music at Duke, will lecture on the essentials of good materials from the composer's viewpoint.

## SUMMER INITIATION AND PICNIC

Kappa Delta Pi, education honorary, will hold its annual summer initiation at 5:00 p.m., Thursday, July 9th, in Room 125 Allen Building. The annual picnic for all students in Education courses and their guests will be held immediately following the initiation on the grounds to the rear of Southgate and Gilbert-Addoms Dormitories on the Woman's College Campus. A feature will be the horseshoe tourney, with Professors Bolmeier and Reynolds defending their championship titles.

Those planning to attend are requested to sign the list in the Summer Session Office; cost per plate: \$1.75.

DUKE SUMMER SESSIONS ENTERTAINMENT  
SERIES

On Thursday evening, July 9th, the Duke S.S.E.S. and the Department of Music will present Susan Starr and Kenneth Amada, brilliant young pianists of international prominence, in the major recital of the Piano Sessions in Page Auditorium at 8:15 p.m. Mr. and Mrs. Amada will each perform solo works and will combine their talents in presenting work for four hands. They will also participate in the workshop sessions.

Their program follows:

ALLEGRO BRILLIANTE, OP. 96 Mendelssohn

Susan Starr and Kenneth Amada

SONATA IN F MINOR, OP. 57, "APPASSIONATA"

## Beethoven

Kenneth Amada

SONATA (1918)

Poulenc

## Prelude

Rustique

## Finale

Susan Starr and Kenneth Amada

## INTERMISSION

FANTASY IN F MINOR, OP. 103 Schubert

Schubert

Allegro Molto Moderato, Largo, Allegro, Vivace, Allegro  
Molto Moderato

Susan Starr and Kenneth Amada

VARIATIONS AND FUGUE ON A THEME BY HANDEL

Brahms

Susan Starr

FOUR HUNGARIAN DANCES

Brahms

Susan Starr and Kenneth Amada

An informal reception honoring the artists, the director and participants of the Piano Workshop, will follow the concert in Flowers Lounge. The audience is invited to attend.

## SCIENTIFIC LECTURE

A lecture on "Some Electromagnetic Backscattering Experiments" will be presented by Professor D. J. Angelakos of the University of California, Berkeley at 2:30 p.m., Friday, July 10th, in the Auditorium of the Army Research Building. Refreshments will be served during the preceding half-hour, beginning at 2:00 p.m.

DR. PHILIP GOVE TO LECTURE

On Friday, July 10th, Duke University will be host to the North Carolina Teachers of English Association. The events of particular interest (open to anyone who is interested in attending) will be a talk at the luncheon meeting by Dr. Philip B. Gove, Editor-in-Chief of Merriam-Webster Dictionaries (and of Webster's Third International, which has occasioned a great deal of debate since its publication in 1962) and a panel discussion in the afternoon, in which Dr. Gove will participate.

The luncheon will be held in the Union Ballroom at 1:00 p.m. (price \$1.50 per plate, payable at door). The title of his address is "The Words We Use." The panel discussion will occur in the Auditorium of the Biological Sciences Building at 2:30 p.m.

Anyone wishing to attend the luncheon is asked to telephone the English Department (Extension 2741) requesting a reservation by July 8th. Anyone interested is cordially invited to attend.

### TERM I FINAL EXAMINATION SCHEDULE

Classes scheduled at: Examinations are:

7:40- 9:00 daily      Tuesday, July 14th, 7:40-10:40 a.m.

1:40- 3:00 daily Tuesday, July 14th, 1:40-4:40 p.m.

9:20-10:40 daily      Tuesday, July 14th, 7:00-10:00 p.m.

11:00-12:20 daily Wednesday, July 15th, 7:40-10:40 a.m.

The examinations in four-semester hour science courses will be held in accordance with a schedule arranged by the department concerned.

Examinations for all short-term courses will be on the last scheduled class day. The instructor will make the time arrangements.

All other examinations must be held and taken according to the above schedule.

Any student who desires a report of grades from the instructor should leave a self-addressed postal card or stamped envelope with the instructor. Grades will not be given out orally at the Summer Session Office.



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### **TERM II REGISTRATION**

Students who have pre-enrolled for Term II are urged to complete the entire process of registration between the hours of 9:30 a.m. to 12:00 noon and 2:00 p.m. to 4:00 p.m. in the Summer Session Office, Room 119, Allen Building, between July 6th and July 15th.

Those students who have not pre-enrolled for Term II are urged to do so with their respective schools or colleges and then complete the registration as announced above.

The Graduate School will accept registrants dur-

ing the same hours and on the same dates as indicated above for the Summer Session Office.

Students who complete their registration will not be required to appear on Registration Day, Thursday, July 16th.

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### **DUKE ENTERTAINMENT CHANGE**

The Sonata Recital of Julia Mueller and Ruth Friedberg scheduled for Thursday, July 23rd, has been changed to Tuesday, July 28th because of an unforeseen conflict.

WEEK OF

Sept. 20 - 26, 1964

WEEK OF

Sept. 20 - 26, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



## Events of the Week

### Sunday, September 20

- 9:30 a.m. Interdenominational and Interfaith Assembly. Page Auditorium. Participants: Dr. Henry Fairbanks, Miss Charlotte A. Bunch, Mr. Albert E. Benjamin, Mr. Philip Lader. Moderator: The Reverend Jack W. Carroll.
- 9:30 a.m. Chapel Choir Rehearsal.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Doctor Howard C. Wilkinson, Chaplain to the University. Sermon: "What We Do Here." Broadcast over Radio Station WDNC and WDNC-FM.
- 3:30-5:30 p.m. The President's Reception honoring new students. 2138 Campus Drive.
- 7:15 p.m. Y.W.C.A. and Y.M.C.A. "Vespers in Word and Song." Alice M. Baldwin Auditorium. Meditation: Dr. Thomas McCollough, Assistant Professor of Religion.

### Monday, September 21

- 9:00 a.m. The final examination of Mr. John Franklin Piper, Jr. for the Ph.D. degree in Religion. Library Conference Room.
- 5:15-6:30 p.m. Y.W.C.A. and Y.M.C.A. Picnic and Lawn Concert for all new students. Front of Woman's College Union.
- 7:30 p.m. Faculty Critique. Alice M. Baldwin Auditorium. Speaker: Dr. Warren Lerner.

### Tuesday, September 22

- 2:00 and 9:00 p.m. Duke Players Performances of "A Phoenix Too Frequent." Alice M. Baldwin Auditorium.
- 7:30 p.m. Student Activities Night. Page Auditorium. Mr. William J. Griffith, presiding.
- 8:30-10:00 p.m. Student Activities Open Houses. Flowers and Union Buildings.
- 10:00-11:30 p.m. Student Union Combo Party honoring Class of 1968. Kilgo Quadrangle.

### Wednesday, September 23

- 1:00 p.m. Forum: "Our Responsibility." Room 201 East Duke Building. Speaker: Dr. Anne Scott.
- 3:00 p.m. The final examination of Mr. Andrew Quarles Blane for the Ph.D. degree in Religion. Library Conference Room.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Lucky Jim," with Ian Carmichael, Terry Thomas, and Hugh Griffith, is a rollicking lampoon of university life by the Boulting Brothers, Britain's most successful laugh-makers. "They'll laugh their heads off—and think a little, too!"—*N. Y. Post*. Also the short, "Running, Jumping, Standing Still," with Peter Sellers.
- (Free film for all new students.)

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



## Thursday, September 24

- 8:10 a.m. Fall Semester Classes Begin.
- 11:00 a.m. All-University Convocation. Indoor Stadium. Speaker: President Douglas M. Knight.
- 2:00 p.m. The final examination of Mr. John Stephen Roberts for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.
- 3:30 p.m. The final examination of Mr. Philip Joseph Traci for the Ph.D. degree in English. Room 323 Allen Building.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204 Medical Center. Speaker: Dr. George Hodgson.
- 4:00 p.m. Academic Council Meeting. Room 208 Flowers Building.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.

## Friday, September 25

- 9:30 a.m. The final examination of Mr. Peter William Hochachka for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.
- 3:00 p.m. The final examination of Mr. Albert Mark John Hyatt for the Ph.D. degree in History. Room 117 Allen Building.
- 7:30 p.m. Church Night Program for All New Students. Local Churches and Religious Centers.

## Saturday, September 26

- 2:00 p.m. The final examination of Mr. Craven Allen Burris for the Ph.D. degree in History. Room 234 Allen Building.
- 2:00 p.m. Varsity Football: Duke versus Virginia. Stadium.
- 4:15 p.m. Student Union Open House. West Quadrangle.
- 6:00-8:00 p.m. Student Union Major Attraction: "Bitter End Singers." Indoor Stadium.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Lucky Jim," with Ian Carmichael, Terry Thomas, and Hugh Griffith, is a rollicking lampoon of university life by the Boulting Brothers, Britain's most successful laugh-makers. "They'll laugh their heads off—and think a little, too!"—N. Y. Post. Also the short, "Running, Jumping, Standing Still," with Peter Sellers.
- 8:00 p.m. International House-warming Party. International House on Campus Drive.
- 8:00-Midnight Y.W.C.A. and Y.M.C.A. Freshman Dance. Card Gymnasium.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, will deliver the sermon at the University Service of Worship on Sunday, September 20th, at 11:00 a.m. in the University Chapel. His subject will be "What We Do Here." The order of service follows:

The Reverend Professor James T. Cleland, Dean of the Chapel, Presiding Minister.

Opening Organ Voluntary—Chorale in A minor *César Franck*  
Call to Worship—The Reverend A. Jack Wilson, Associate Director of Religious Activities, West Campus.

Hymn—"O God, Our Help in Ages Past" *William Croft*  
Prayer of Confession—The Reverend W. Robert Mill, Chaplain to Episcopal Students.

Words of Forgiveness—The Reverend William R. Patton, Chaplain to Lutheran Students.

The Lord's Prayer—Led by Miss Ann Rowe, Associate Director of Religious Activities, East Campus.

Anthem—"Now God Be Praised in Heav'n Above" *Vulpius*  
Old Testament Lesson—Micah 6:6-8—The Reverend Robert P. Hyatt, Chaplain to Baptist Students

Hymn—"I Love Thy Kingdom, Lord" *From Williams' Psalmody*

Call to Prayer

A Litany of Youth

The Offering

Offertory Organ Voluntary

Offertory—"Jesu, Joy of Man's Desiring"

Response—The Doxology

Prayer of Dedication

New Testament Lesson—Mark 9:33-42—The Reverend Cranford Johnson, Assistant Chaplain to Methodist Students

Sermon—"What We Do Here"

Prayer

Benediction—The Reverend Jack W. Carroll, Chaplain to Methodist Students.

Choral Response—"Sevenfold Amen" *Stainer*

The Chimes

Closing Organ Voluntary—Piece Heroique *César Franck*

The preacher who is scheduled to deliver the sermon at the University Service of Worship next Sunday, September 27th, is the Reverend Professor James T. Cleland, Dean of the Chapel and James B. Duke Professor of Preaching, in the Divinity School.

## FALL REGISTRATION

Monday, September 21—Freshmen Registration, Indoor Stadium. 8:30 a.m.-12:00 Noon and 2:00 p.m.-4:00 p.m.

Tuesday, September 22—Registration for all new graduate students, Graduate School of Arts and Sciences, 127 Allen. 9:00 a.m.-12:00 Noon and 2:00 p.m.-4:00 p.m.

Wednesday, September 23—General Registration for all pre-registered upperclassmen, Indoor Stadium. 9:00 a.m.-12:00 Noon and 2:00 p.m.-3:30 p.m.

N.B. All returning upperclassmen (Trinity College, College of Engineering, Woman's College, School of Nursing) must report to their respective Deans Office between the hours of 9:00 a.m. and 6:00 p.m. to be cleared for classes. Failure to be cleared for classes will cause a student's course schedule to be cancelled.

## ALL-UNIVERSITY CONVOCATION

For the first time since Duke University was established on the foundations of Trinity College, the academic year will open with an all-University Con-

vocation. For very nearly the first time, if not the first time, members of the administration, faculty, and students from all of the University's graduate and undergraduate schools and colleges will have an opportunity to meet as one Duke community to renew their dedication to that pursuit of truth and extension of human knowledge which throughout history has been the core of every university worthy of the name.

The Convocation will be held at eleven o'clock in the Indoor Stadium on the first day of classes, on Thursday, September 24th. It will begin with a formal academic procession in which over three hundred members of the faculty and administration as well as the class and student government presidents of all of the schools and colleges expect to participate. President Knight will be the speaker.

The first two classes will meet as usual on September 24th; third and fourth period classes have been cancelled to permit all members of the faculty and students to be present at the Convocation. To allow other members of the community to attend, libraries, bookshops, dining-halls (except at the Medical Center) and dope shops will be closed. Dining-halls will re-open at approximately 12:00 o'clock. Classes will be resumed beginning with the fifth period.

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#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. John Franklin Piper, Jr. for the Ph.D. degree in Religion will be held on Monday, September 21st, at 9:00 a.m. in the Library Conference Room. The subject of Mr. Piper's dissertation is "The Social Policy of the Federal Council of the Churches of Christ in America During World War I."

The committee to conduct the examination consists of Professors Waldo Beach, Stuart Henry, Ray C. Petry, and Richard Watson. Professor Beach will preside.

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#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Andrew Quarles Blane for the Ph.D. degree in Religion will be held on Wednesday, September 23rd, at 3:00 p.m. in the Library Conference Room. The subject of Mr. Blane's dissertation is "The Relations Between The Russian Protestant Sects and The State, 1900-1921."

The committee to conduct the examination consists of Professors Waldo Beach, Creighton Lacy, Egil Grisliis, Wladyslaw Kulski, and John Curtiss. Professor Beach will preside.

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#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. John Stephen Roberts for the Ph.D. degree in Zoology will be held on Thursday, September 24th, at 2:00 p.m. in Room

225 Biological Sciences Building. The subject of Mr. Roberts' dissertation is "The Correlation of Renal Ultrastructure with Salt and Water Handling by the Kidneys of Three Lacertilian Reptiles."

The committee to conduct the examination consists of Professors Bodil Schmidt-Nielsen, John R. Gregg, Edward C. Horn, Henry Kamin, and Montrose J. Moses. Professor Schmidt-Nielsen will preside.

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#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Philip Joseph Traci for the Ph.D. degree in English will be held on Thursday, September 24th, at 3:30 p.m. in Room 323 Allen Building. The subject of Mr. Traci's dissertation is "The Love Play of Antony and Cleopatra."

The committee to conduct the examination consists of Professors John L. Lievsay, Holger Olof Nygard, S. K. Heninger, and Ernest W. Nelson. Professor Lievsay will preside.

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#### **PHYSIOLOGY AND PHARMACOLOGY SEMINAR**

The Department of Physiology and Pharmacology will hold a seminar on Thursday, September 24th, at 4:00 p.m. in Room M-204 Duke University Medical Center. Dr. George Hodgson, Director of the Institute of Sciences, Universidad De Chile, will speak on "Effect of Erythropoietin on Radiosensitivity of Erythropoietic Tissue."

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#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Peter William Hochachka for the Ph.D. degree in Zoology will be held on Friday, September 25th, at 9:30 a.m. in Room 225 Biological Sciences Building. The subject of Mr. Hochachka's dissertation is "Metabolic Adaptation in a Lower Vertebrate: The Isoenzymes of Lactic Dehydrogenase in the Goldfish, *Carassius carassius*."

The committee to conduct the examination consists of Professors K. M. Wilbur, D. J. Fluke, J. R. Gregg, Bodil Schmidt-Nielsen, and R. W. Wheat. Professor Wilbur will preside.

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#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Albert Mark John Hyatt for the Ph.D. degree in History will be held on Friday, September 25th, at 3:00 p.m. in Room 117 Allen Building. The subject of Mr. Hyatt's dissertation is "The Military Career of Sir Arthur Currie."

The committee to conduct the examination consists of Professors Theodore Ropp, Harold T. Parker, Richard L. Watson, Jr., and Louis Budd. Professor Ropp will preside.



## DENOMINATIONAL "CHURCH NIGHT"

Friday, September 25

**BAPTIST: Church Night:** Baptist students (graduate and undergraduate) and faculty are cordially invited to a supper honoring new Baptist students at the Baptist Student Center on Alexander Avenue, just off Campus Drive, at 6:00 P.M. **Sunday, Sept. 27:** Rides to local Baptist churches will be provided, leaving from the Baptist Student Center at 9:30 A.M. Coffee and donuts will be served at the Center prior to departure.

**CATHOLIC: Church Night:** 7:00 P.M., Benediction in the Church (810 W. Chapel Street), followed at 7:30 P.M., by a reception for new students in the school auditorium. The Graduate Student-Faculty Newman Society will meet, following the Benediction, in the meeting room of the Church. The topic will be, "Vatican II—Impact and Implications: Vernacular in the Sacraments."

**EPISCOPAL: Church Night:** An evening of Folk Music and Jazz, at 6:00 P.M., in the Episcopal Student Center on Alexander Avenue. All members of the University community are welcome. **Sept. 27, 9:15 A.M.,** Holy Communion (Chapel of St. Michael at the Episcopal Center).

**LUTHERAN: Church Night:** A reception to welcome Lutheran students will be held at Grace Lutheran Church, corner of Buchanan and Green Streets, at 6:00 P.M. **Sunday, Sept. 27, 6:30 P.M.,** A Communion service will be held in the East Duke Chapel, followed by an informal coffee hour which will provide an opportunity for becoming familiar with the 1964-65 Lutheran Student Association program.

**METHODIST: Church Night:** A reception to welcome Methodist students will be held at the Methodist Student Center at 6:00 P.M. **Sunday, Sept. 27, 9:00 A.M.,** Initial meeting of seminars: "The Congregation in Mission," Jackson W. Carroll, leader; "A Dialogue: Christian Faith and Culture," Franklin Ingram, leader. These seminars are open to all interested persons in the University community. They will meet weekly during the semester. Coffee and donuts will be served beginning at 9:00. The seminars will begin at 9:30, lasting for one hour. For further information, call 286-9230. **Sept. 27, 6:15 P.M.,** Evening Prayer, followed by an informal fellowship hour.

**PRESBYTERIAN: Church Night:** Reception for Presbyterian Students at Westminster House (Presbyterian Student Center on Alexander Avenue), at 6:00 P.M.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP: Church Night:** All students from the denominations sponsoring the United Campus Christian Fellowship (United Church of Christ, Disciples of Christ, United Presbyterian Church in the U.S.A., Evangelical United Brethren and Moravian) are invited to a get-

acquainted supper at the Durham Congregational Christian Church at 6:15 P.M. Transportation will be provided by a special bus which will leave Hanes House at 6:00 P.M. and will proceed to the Chapel steps on West and the bus stop on East.

The first regular meeting of the U.C.C.F. will be held on Sunday, September 27, at the home of Dr. and Mrs. Robert Bouar.

## ACADEMIC COUNCIL MEETING

The Academic Council will meet on Thursday, September 24th, at 4:00 p.m. in Room 208 Flowers Building. The Council will elect officers for 1964-'65.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Craven Allen Burris for the Ph.D. degree in History will be held on Saturday, September 26th, at 2:00 p.m. in Room 234 Allen Building. The subject of Mr. Burris' dissertation is "Arthur James Balfour as a Political Leader: Party, Power, and the Constitution, 1891-1905."

The committee to conduct the examination consists of Professors William B. Hamilton, Harold T. Parker, Charles Young, and William Hull. Professor Hamilton will preside.

## STUDENT UNION PRESENTS "THE BITTER END SINGERS"

The Major Attractions Committee of the Duke University Student Union will present "The Bitter End Singers" on Saturday, September 26th, at 6:30 p.m. in the Indoor Stadium. "The Bitter End Singers," a new folk-singing group composed of three boys and three girls, immediately drew rave notices on their debut this summer at the Bitter End Club in New York City. Their first album will be released soon under Mercury Records. General admission tickets are \$1.00 for single admission and \$1.50 for a dating couple and will go on sale Monday, September 21st, on the Main Quadrangle. Tickets will also be available at the door of the Indoor Stadium on the evening of the performance.

## DUKE UNIVERSITY FALL SEMESTER ACTIVITIES CALENDAR

Copies of the Duke University Fall Semester Activities Calendar will be mailed to all faculty and staff members by the last of September. All graduate and undergraduate students will have copies delivered to dormitory rooms. Copies may also be secured at the Information Desk in Flowers Lounge.

## CHAMBER MUSIC CONCERTS

The Chamber Arts Society announces the following six concerts for the 1964-65 season:

Saturday, October 31—Beaux Arts Trio  
 Saturday, November 21—Hungarian Quartet  
 Saturday, December 5—Drole Quartet (Berlin)  
 Saturday, February 13—Pasquier Trio (Paris)  
 Saturday, March 13—Juilliard Quartet  
 Saturday, April 17—Fine Arts Quartet

These concerts will be held in the Music Room, East Duke Building, beginning at 8:15 p.m. **Admission:** Membership in the Chamber Arts Society is open to all persons, and entitles to admission to all concerts. The cost of membership will be \$12.00. The Committee of the Society limits membership to 330 persons, the remaining 70 admissions being available to individuals who purchase **Guest Cards** for single concerts at price of \$2.50. These Guest Cards may be obtained at the door of the Music Room on concert evenings from 7:30 p.m. to 8:00 p.m. For tickets, contact Dr. Ernest Nelson (address Box 6065, College Station, Durham, N. C.).

## 1964-65 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates, with the exception of the BBC Symphony Orchestra Concert which will be held in the Indoor Stadium.

The 1964-65 Series is as follows:

LEONARD ROSE, Cellist Monday, November 30

Rose, who plays a rare Amati cello dating from 1662, is acclaimed as one of the true virtuosos of that instrument. He is sought after at home and abroad for concerts and has recorded a veritable library of great cello music. Critics have said that "Rose is another name for perfection in the art of cello."

"I consider Leonard Rose the superlative cellist of today."  
 ... Dimitri Mitropoulos

AMERICAN BALLET THEATRE Thursday, December 10

America's oldest and most honored native ballet company, the American Ballet Theatre has toured more than any company in history, has developed the largest repertoire of both classical and contemporary ballets, and has discovered and developed more dancers, choreographers, designers and composers than any other company. In its 24 years it has produced 103 ballets, of which 32 were world premieres and another 29 were premiered in the company's experimental workshop. Its widely acclaimed tours abroad in 37 countries have earned the company the title of "America's No. 1 Cultural Export."

THE GOLDOVSKY GRAND OPERA THEATRE

Friday, February 12

Donizetti's "Don Pasquale"

By popular request Boris Goldovsky brings his Opera Theatre to Duke for the third consecutive year. "Don Pasquale" is opera buffa at its best and is considered by many to be Donizetti's finest work. The opera will be presented in English with a company of 50 including orchestra and chorus, fully staged with handsome sets and costumes.

JOHN OGDON, Pianist

Thursday, February 18

Mr. Ogdon was co-winner of the Tchaikovsky International Piano Competition in 1962. He was immediately invited to tour the Soviet Union and this past season the talented young Briton made a highly acclaimed American debut tour.

"... a huge talent." New York Tribune

"A name destined to resound in the music of our time."  
 Saturday Review

BBC SYMPHONY ORCHESTRA

Tuesday, May 4

Formed in 1930, the BBC Symphony Orchestra is one of the world's most famous. Achieving prominence under its first conductor Sir Adrian Boult, its fame continued under the leadership of Sir Malcolm Sargent and Rudolf Schwartz. Though the orchestra at present has no permanent conductor, Antal Dorati was appointed in 1963 as Chief Conductor until 1966. The 96-member orchestra is the main broadcasting orchestra of the BBC London studios, plays a noted winter series of concerts at Royal Festival Hall and is the mainstay of London's Henry Wood Promenade Concerts each summer which attract over a quarter of a million persons per year.

## DUKE UNIVERSITY 1964 FOOTBALL SCHEDULE AND TICKET PRICES

### AT HOME

Date	Time P.M.	Opponent	Regular	PRICES	
				Family Plan	Children
Sept. 26	2:00	Virginia	4.50	\$2.50	\$ .75
Oct. 10	2:00	Maryland	4.50	2.50	.75
Oct. 17	2:00	N. C. State	4.50	2.50	.75
Oct. 31	2:00	Georgia Tech*	5.00	2.50	.75

\*Homecoming

### SEASON TICKETS—

PREFERRED LOCATION	\$16.00
FAMILY PLAN (ADULT)	8.00
(CHILD)	3.00
(FACULTY)	4.00

### AWAY

Date	Time	Opponent	Price
Sept. 19	8:00	South Carolina	\$4.65
Oct. 3	2:00	Tulane	5.00
Oct. 24	2:00	U. S. Military Academy	5.00
Nov. 7	2:00	Wake Forest	4.00
Nov. 14	1:30	U. S. Naval Academy	5.00
Nov. 21	1:30	Univ. of North Carolina	4.50

## FAMILY PLAN

To make it possible for Family Groups to attend games at a reduced price, the Duke Athletic Association is continuing this year, a Family Plan for tickets. Under this PLAN, a section of end zone seats has been set aside for sale as SEASON tickets to adults at \$8.00 each and to children (high school age and under) at \$3.00 each for the four home games. Thus, a family of four can attend ALL four of Duke's home games at a total cost of \$22.00. Tickets for individual games in this family plan area will be priced at \$2.50 each for adults and 75c each for children. All seats will be RESERVED.



## MEAL HOURS—MEN'S DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS
<i>Cafeterias:</i>	<i>Cafeterias:</i>
Breakfast 7:00- 9:30 a.m.	Breakfast 8:30-11:00 a.m.
Lunch 11:00- 2:00 p.m.	Lunch 11:30- 2:00 p.m.
Dinner 5:00- 7:00 p.m.	Dinner 5:00- 7:00 p.m.
<i>Snack Bar:</i> 9:30-11:00 a.m.	
<i>Oak Room:</i>	<i>Oak Room:</i>
Lunch 11:30- 2:00 p.m.	Lunch 11:30- 2:00 p.m.
Dinner 5:00- 7:00 p.m.	Dinner 5:00- 7:00 p.m.

## MEAL HOURS—WOMAN'S COLLEGE DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS
Breakfast 7:15- 8:45 a.m.	Breakfast 8:30- 9:30 a.m.
Lunch 11:15- 1:30 p.m.	Lunch 11:30- 1:30 p.m.
Dinner 5:00- 6:30 p.m.	Dinner 5:00- 6:15 p.m.

## MEAL HOURS—GRADUATE CENTER DINING HALLS

WEEKLY MEAL HOURS	SUNDAY HOURS
Breakfast 7:00- 9:30 a.m.	Breakfast Bar Only
Lunch 11:15- 1:30 p.m.	8:30-11:00 a.m.
Dinner 5:00- 6:30 p.m.	

*Coffee Lounge:* 11:30 a.m.-11:00 p.m.

## LIBRARY HOURS

### GENERAL LIBRARY

Main Loan Desk	
Monday-Friday	8:00 a.m.-11:00 p.m.
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	2:00 p.m.-11:00 p.m.
Graduate Reading Room	
Monday-Friday	8:00 a.m.-12:00 M
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	1:30 p.m.-12:00 M
Undergraduate Reading Room	
Monday-Friday	8:00 a.m.-12:00 M
Saturday	8:00 a.m.-10:30 p.m.
Sunday	1:30 p.m.-12:00 M
Periodicals Room	
Monday-Friday	8:00 a.m.-11:00 p.m.
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	1:30 p.m.-11:00 p.m.
Newspaper Room	
Monday-Friday	8:30 a.m.- 5:00 p.m.
Saturday	6:30 p.m.-10:00 p.m.
Sunday	8:30 a.m.- 1:00 p.m. Closed
Manuscript Department and Rare Books Department	
Monday-Friday	8:30 a.m.- 5:00 p.m.
Saturday	8:30 a.m.- 1:00 p.m.
Sunday	Closed
Public Documents Room	
Monday-Friday	8:00 a.m.- 5:00 p.m.
Saturday	7:00 p.m.-10:00 p.m.
Sunday	8:30 a.m.- 5:00 p.m. Closed
Reference Department	
Monday-Friday	8:00 a.m.-11:00 p.m.
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	2:00 p.m.- 6:00 p.m.

### WOMAN'S COLLEGE LIBRARY

Monday-Friday	8:00 a.m.-10:30 p.m.
Saturday	8:00 a.m.- 5:00 p.m.
Sunday	2:00 a.m.-10:30 p.m.

SCHEDULES for school, college and departmental libraries are posted in each library.

## FALL SEMESTER CHAPEL PREACHING SCHEDULE

September 20—Freshman Sunday—Dr. Howard C. Wilkinson—Chaplain to the University  
September 27—Opening Sunday—Dr. James T. Cleland—Dean of the Chapel  
October 4—World Wide Communion—Dean Cleland  
October 11—Dr. Waldo Beach  
October 18—Dad's Day—Dr. Creighton Lacy—Professor of World Christianity  
October 25—Dr. Eugene Smith—Executive Director, World Council of Churches  
November 1—Chaplain Wilkinson  
November 8—Dr. Benjamin E. Mays—President, Morehouse College  
November 15—Dean James L. Price, Jr.—Dean, Trinity College  
November 22—Dean Cleland  
November 29—Thanksgiving Recess  
December 6—Dr. Robert E. Cushman—Dean, The Divinity School  
December 13—Christmas Sunday—Dean Cleland  
December 20—Christmas Recess  
December 27—Christmas Recess  
January 3—Christmas Recess  
January 10—Dr. Hugh Anderson—Professor of Biblical Criticism and Theology  
January 17—Chaplain Wilkinson  
January 24—Dr. D. T. Niles—General Secretary, East Asia Christian Conference  
January 31—Dean Cleland

## DUKE PRESCHOOL OPENING

Duke Preschool has an opening in the afternoon class for 4 and 5 year olds. If interested, please contact Miss Hinman at 286-3382 or Mrs. Silva, University extension 4395.

## GOTHIC BOOKSHOP

The Gothic Bookshop, located by Page Auditorium, now greatly enlarged, is the campus trade bookshop and browsing headquarters. Here you will find the best of current and standard hard-cover books, as well as more than four thousand quality paperback titles, prints, and sculptures. A great many excellent books, both new and used, have been reduced by 40% to 80% in price to celebrate the opening of our new premises.

## 1964-65 ART EXHIBITIONS

The members of the University Community are extended a cordial invitation to visit the continuous showing of art exhibitions being held in the Gallery of the Woman's College Library and the Lounge of the West Union Building during the hours of 8:30 a.m. until 10:00 p.m. daily. Under the sponsorship of the Art Department on East and the Student Union Fine Arts Committee on West, the exhibits are open to the public without charge.

The exhibitions now on display include, on West, "Prize Winning American Prints" from the Pratt Graphic Art Center and, on East, "Chiaroscuro Woodcuts" from the Binet Print Collection.

### WEEKLY CALENDAR INFORMATION

This is the first issue of the University Weekly Calendar of Duke University for the academic year 1964-65. Hereafter, the Calendar will appear every Saturday morning.

Members of the faculty and staff are requested to have notices for publication in the Calendar in Room 202-A Flowers Building, West Campus, not later than 1:00 p.m. on Wednesday. This is absolutely necessary in order that the Calendar may be handled by the printers and be ready for distribution early Saturday morning.

Distribution of the Calendar to faculty, staff, graduate and undergraduate students will be handled in the following fashion:

Faculty—Copies to departmental offices unless an individual office is in another building in which case the office will receive a copy.

Staff—Copies to various Administrative offices and to individual staff offices.

Graduate Students—Copies to departmental offices.

Undergraduate Students—Copies to dormitories for posting purposes only.

Hospital Faculty and Staff—Copies to Hospital Post Office for distribution via individual boxes.

Further clarification may be obtained by calling Extension 2911.

### INTERNATIONAL HOUSE HOUSEWARMING PARTY

The International Housewarming Party on Saturday, Sept. 26th marks the formal opening of the new International House on Campus Drive which will contain the Office of International Students, directed by Mrs. Reba Hall, as well as provide a place for informal gatherings of international students, American students, faculty and townspeople. Any interested person is cordially invited to attend this and subsequent "open houses."

### ADVANCE NOTICE ZOOLOGY AND BOTANY SEMINAR

The Zoology and Botany Departments will hold their weekly seminar on Monday, September 28th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Klaus Schmidt-Koenig, Research Associate, Department of Zoology, will speak "On Bird Orientation: Experiments and Problems." Coffee and tea will be served in the foyer at 4:00 p.m.

### ADVANCE NOTICE WOMAN'S COLLEGE FALL HONORS ASSEMBLY

The traditional Fall Honors Assembly of The Woman's College will take place on Monday, September 28 at 7:30 p.m. in the Baldwin Auditorium. Dr. Fay Ajzenberg-Selove, nuclear physicist and Professor of Physics at Haverford College, will be the principal speaker. Aware that the audience will be composed largely of non-physicists, Professor Selove will address herself to the topic, "The Particle Zoo"—a title which leads us to hope that she will identify the lions and the tigers, as well as the lesser animals, in this particular "animal farm."

Michigan B.A. and Wisconsin Ph.D., Dr. Selove served as lecturer at Smith College, visiting assistant professor at Columbia, visiting professor at the National University of Mexico, assistant and associate professor at Boston University, and lecturer at the University of Pennsylvania before becoming Professor of Physics at Haverford in 1962.

Following the Assembly, a reception for the speaker and all students honored on this occasion will be held in the East Campus Union. Faculty members present for the Assembly are cordially invited to attend.

Honors to be announced at this Assembly include the Dean's List, Class Honors, and Honorary Class Scholarships. Gold D's will be presented to outstanding students in the classes of 1965, 1966 and 1967. The Dormitory and Sorority with the highest academic record for last spring semester will be announced, as will elections to Ivy.





WEEK OF  
Sept. 27-Oct. 3, 1964

WEEK OF  
Sept. 27-Oct. 3, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, September 27

Denominational Meetings. See special notice.

- 9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "Peter: the Rock." Broadcast over Radio Station WDNC and WDNC-FM.

### Monday, September 28

- 4:00 p.m. Mathematics Seminar. Room 114 Physics Building. Speaker: Professor Jacob Burlak.  
4:15 p.m. Zoology and Botany Seminar. Auditorium of the Biological Sciences Building. Speaker: Dr. Klaus Schmidt-Koenig.  
5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.  
5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.  
7:00-9:00 p.m. Duke Players' Tryouts for Shakespeare's "Much Ado About Nothing." Page Auditorium.  
7:30 p.m. Woman's College Fall Honors Assembly. Baldwin Auditorium. Speaker: Dr. Fay Azenberg-Selove.  
8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

### Tuesday, September 29

- 3:00-5:00 p.m. and 7:00-9:00 p.m. Duke Players' Tryouts for Shakespeare's "Much Ado About Nothing." Page Auditorium.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.  
7:00 p.m. The final examination of Mr. William Frank Halloran for the Ph.D. degree in English. Room 128 Social Science Building.  
8:00 p.m. Duke Divinity Dames Meeting. 2022 Campus Drive. Speaker: Dr. Thor Hall.

### Wednesday, September 30

- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.  
5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
7:00 p.m. Student Union Duplicate Bridge Club. Green Room, East Duke Building. Open to All.  
7:00 p.m. Slide Rule Lecture. Room 125 Engineering Building.  
7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.  
7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Murder at the Gallop" with Margaret Rutherford, Robert Morley, and

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



Flora Robson. A hilarious romp with an Agatha Christie mystery. "Margaret Rutherford is the funniest woman in the world"—**Time Magazine**. "Delight of delights . . . a merry chase . . . designed for your pleasure. A perpetual joy!"—**N. Y. Herald-Tribune**. Added short subject: Peter Sellers in "The Case of the Mukkinese Battle Horn."

## Thursday, October 1

- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204. Speaker: Dr. P. Nelson.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 6:00-9:00 p.m. Sorority Rush: Invitational Open Houses. Carr Building.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, October 2

- 10:00 a.m. Law School Speakers Program. Court Room, Law School. Speaker: Francis X. Gallagher.
- 4:30-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

## Saturday, October 3

Student Union Golf Tournament (October 3-24)

- 9:00 a.m. The final examination of Mr. Dallas Milton High for the Ph.D. degree in Religion. Library Conference Room.
- 2:00 p.m. Varsity Football: Duke versus Tulane. New Orleans, La.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Murder at the Gallop" with Margaret Rutherford, Robert Morley, and Flora Robson. A hilarious romp with an Agatha Christie mystery. "Margaret Rutherford is the funniest woman in the world."—**Time Magazine**. "Delight of delights . . . a merry chase . . . designed for your pleasure. A perpetual joy!"—**N. Y. Herald Tribune**. Added short subject: Peter Sellers in "The Case of the Mukkinese Battle Horn."

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship on Sunday, September 27th, at 11:00 a.m. in the University Chapel. His subject will be "Peter: the Rock." The order of service follows:

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, Presiding Minister.

Dr. Douglas M. Knight, President of the University, Lector.

Opening Organ Voluntary—Introduction and Passeaglia

*Reger*

Call to Worship—The Lord is in His Holy Temple

*Harrington*

Hymn—"Holy, Holy, Holy!"

*John B. Dykes*

The Prayer of Confession

Words of Assurance

The Lord's Prayer

Anthem—"Glory to God"

*Bach*

Scripture Lesson—Matthew 16:13-20

Hymn—"O Word of God Incarnate"

*N. M. Gesangbuch*

Call to Prayer

The Pastoral Prayer of Adoration, Thanksgiving, Intercession, Petition and Dedication

The Offering

Offertory Organ Interlude

Anthem—"How Lovely is Thy Dwelling Place"

*Johannes Brahms*

Response—The Doxology

Prayer of Dedication

Sermon—"Peter: the Rock"

Prayer

Benediction

Choral Response—"Sevenfold Amen"

*Stainer*

The Chimes

Closing Organ Voluntary—Toccata from Symphony V

*Charles Marie Widor*

A "World-Wide Communion" will be observed Sunday, October 4th, at 11:00 a.m. in the Duke Chapel. The Celebrant will be The Reverend Dr. Howard C. Wilkinson. The Reverend Professor James T. Cleland will preach the communion meditation.

## DENOMINATIONAL ANNOUNCEMENTS

EPISCOPAL CENTER: Sunday, 9:15 A.M., Holy Communion. Tuesday, 5:30 P.M. (Feast of St. Michael), Choral Celebration of Holy Communion. Wednesday, 7:10 A.M., Holy Communion. Thursday, 5:30 P.M., Holy Communion.

ADVANCE NOTICE: Episcopal students and faculty are invited to a picnic on Sunday, October 4, at 12:00 noon, to be held at the home of Reverend and Mrs. W. Robert Mill, 1110 Arnette Avenue. Transportation will be provided from East circle and West bus stop at noon.

LUTHERAN STUDENT ASSOCIATION: Sunday, 6:30 P.M., A Communion service will be held in the East Duke Chapel, followed by an informal coffee hour.

METHODIST CENTER: Sunday, 9:00 A.M., Seminars, "The Congregation in Mission," and "Christianity and Culture: A Dialogue"—open to the University community; 6:15 P.M., Evening Prayer; 7:15 P.M., Informal get-acquainted hour.

ADVANCE NOTICE: Two short courses, "What is Religious Art?", led by Dr. John Dixon of the Religious and Art Departments of U.N.C., and "Bibli-

cal Faith and the Ethical Revolution," led by Dr. Thomas McCollough of the Duke Religion Department, will be offered on the four Sunday evenings of October 4, 11, 25, and November 1, at 7:15 P.M. at the Methodist Center. These courses will attempt to provide an introduction into two areas of the University curriculum. They are open to all members of the University community.

"Religious Art in Original Prints" will be on exhibit at the Methodist Center on Oregon Street until October 25. Outstanding examples of religious graphic art from the woodcuts of early books to the interpretations of the great contemporary artists are included in the exhibit. All prints in the exhibit may be purchased.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP:** Sunday, The first regular meeting of the UCCF will be held this evening at the home of Dr. and Mrs. Robert Bonar, Route 2, Chapel Hill. Transportation will leave Hanes House, the Chapel steps and the East Campus circle at 3:45 P.M. After a business meeting and snack supper, John Kernodle will lead a discussion on "What is the UCCF? A Report on the National Conference."

#### **GREEK ORTHODOX SERVICES**

Greek Orthodox members of the University Community and others who would like to be present are cordially invited to attend services at St. Barbara's Greek Orthodox Church on Watts Street on Sunday, September 27th, and on every Sunday when services are held. Orthros begins at 10:00 a.m.; the Divine Liturgy, at 11:00 a.m.

#### **MATHEMATICS SEMINAR**

The Department of Mathematics will hold a seminar on Monday, September 28th, at 4:00 p.m. in Room 114 of the Physics Building. The speaker will be Professor Jacob Burlak of the University of Glasgow. His subject will be "Entire Functions and Integral Transforms." Coffee and tea will be served at 3:30 p.m. in Room 120 Physics Building.

#### **ZOOLOGY AND BOTANY SEMINAR**

The Zoology and Botany Departments will hold their weekly seminar on Monday, September 28th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Klaus Schmidt-Koenig, Research Associate, Department of Zoology, will speak "On Bird Orientation: Experiments and Problems." Coffee and tea will be served in the foyer at 4:00 p.m.

#### **WOMAN'S COLLEGE FALL HONORS ASSEMBLY**

The traditional Fall Honors Assembly of The Woman's College will take place on Monday, September 28 at 7:30 p.m. in the Baldwin Auditorium. Dr. Fay Ajzenberg-Selove, nuclear physicist and Professor of Physics at Haverford College, will be the principal speaker. Aware that the audience will be composed largely of non-physicists, Professor Selove will address herself to the topic, "The Particle Zoo"—a title which leads us to hope that she will identify the lions and the tigers, as well as the lesser animals, in this particular "animal farm."

Michigan B.A. and Wisconsin Ph.D., Dr. Selove

served as lecturer at Smith College, visiting assistant professor at Columbia, visiting professor at the National University of Mexico, assistant and associate professor at Boston University, and lecturer at the University of Pennsylvania before becoming Professor of Physics at Haverford in 1962.

Following the Assembly, a reception for the speaker and all students honored on this occasion will be held in the East Campus Union. Faculty members present for the Assembly are cordially invited to attend.

Honors to be announced at this Assembly include the Dean's List, Class Honors, and Honorary Class Scholarships. Gold D's will be presented to outstanding students in the classes of 1965, 1966 and 1967. The Dormitory and Sorority with the highest academic record for last spring semester will be announced, as will elections to Ivy.

#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. William Frank Halloran for the Ph.D. degree in English will be held on Tuesday, September 29th, at 7:00 p.m. in Room 128 Social Science Building. The subject of Mr. Halloran's dissertation is "William Sharp (Fiona Macleod): The Development of a Literary Personality, 1890-1900." The committee to conduct the examination consists of Professors Lionel Stevenson, Benjamin Boyce, C. Richard Sanders and Harold T. Parker. Professor Stevenson will preside.

#### **DUKE DIVINITY DAMES MEETING**

The first meeting of the Divinity Dames will be on Tuesday, September 29th, at 8:00 p.m. in the home of Dr. and Mrs. Robert E. Cushman, 2022 Campus Drive. The speaker will be Dr. Thor Hall, Professor of Preaching and Theology in the Divinity School. All wives of Divinity students, both incoming and previous students, are invited to attend.

#### **PHYSIOLOGY AND PHARMACOLOGY SEMINAR**

The Department of Physiology and Pharmacology will hold a seminar on Thursday, October 1st, at 4:00 p.m. in Room M-204. The speaker will be Dr. P. Nelson, Lab of Neurophysiology, National Institute of Health, and Acting Head of the Spinal Cord Section, Bethesda, Maryland. He will speak on "Electric Fields and Motorneuron Excitability in the Spinal Cord."

#### **ADVANCE NOTICE ERASMUS CLUB MEETING**

The Erasmus Club will meet on Monday, October 5th, at 8:00 p.m. in the Green Room, East Duke Building. Professor A. L. Willson of the German Department will speak on Günther Grass.

#### **ART LOAN COLLECTION**

The Duke University Art Loan Collection is available for rent in Room 103 Asbury Building on Monday through Friday, beginning September 28th, between the hours of 9:00 a.m. and 5:00 p.m. The collection contains reproductions of contemporary art and also some originals. The pictures are rented for a semester; the rental fee to be paid in advance is \$3.00.



## LAW SCHOOL SPEAKERS PROGRAM

The Duke Bar Association and its Professional Affairs Committee announce the Law School's fall Speakers Series. This year's program will begin on Friday, October 2nd, at 10:00 a.m. with an address by Francis X. Gallagher of Baltimore. Mr. Gallagher, senior partner in the firm of Gallagher and Evelius and general counsel of the Archdiocese of Baltimore (Roman Catholic), will discuss Constitutional aspects of church-state relations, with emphasis on the current challenge of the tax-exempt status of churches. Other speakers include:

Eugene Patterson (October 12th), editor of the "Atlantic Constitution," one of the South's leading newspapers; he is a member of the Federal Commission on Civil Rights.

William T. Gossett (October 23rd) of Detroit. Mr. Gossett retired as vice president, general counsel and director of the Ford Motor Company to become a White House negotiator for the Kennedy Round of tariff adjustment talks. He is now counsel of the Detroit law firm Dykema, Wheat, Goodnow and Spence.

William Adams (November 4th), a distinguished alumnus of the Duke Law School and partner in Mahoney, Hadlow, Chambers and Adams, Jacksonville, Florida.

Wright Tisdale (November 13th), vice president and general counsel, Ford Motor Company, Detroit, and chairman of the Board of Trustees and executive committee of Duke University.

Thurman Arnold, senior partner in Arnold, Fortas and Porter, one of Washington, D. C.'s most prestigious firms. Mr. Arnold is known as a teacher, former federal judge, a trust-buster and the author of "Folklore of Capitalism" as well as other books.

Governor Terry Sanford of North Carolina.

Five other distinguished persons have accepted invitations from the Bar Association to lecture during the fall series, but dates for these visits have not been confirmed.

The first of these is Melvin Belli of Belli, Ashe and Gerry, San Francisco. Mr. Belli is best known as Jack Ruby's defense counsel, and for his flamboyance before the bar. The legal profession also recognizes Mr. Belli for his great strides in the civil law.

The second of these is Col. Lennox P. McLendon, senior partner in McLendon, Brim, Holderness and Brooks, Greensboro. Mr. McLendon served as special counsel to the Senate Rules Committee for its probe into the affairs of Bobby Baker.

Rep. Charles Raper Jonas, North Carolina's leading Republican, is expected to visit the Law School soon after the November General Elections.

Perry Nichols of Miami, Florida, a successful trial lawyer and leader in several professional associations, will visit Duke with a partner in his firm and conduct a three-hour seminar to describe a lawyer's work from the time a client first brings a problem to his attention until a trial judge enters judgment.

Arch Schoch of Schoch and Schoch, High Point, will visit the law school as a representative of the International Academy of Trial Lawyers and its Project Advocacy.

Most of the lectures will be public and in the Law School's Court Room, with further details to be released at a later time. The speaker's visits will include more informal contact with law students in luncheons, dinners and coffee hours.

The Duke Bar Association is a federation of students enrolled in the Law School at the University.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Dallas Milton High for the Ph.D. degree in Religion will be held on Saturday, October 3rd at 9:00 a.m. in the Library Conference Room. The subject of Mr. High's dissertation is "Language and Belief: Studies in Wittgenstein's Philosophical Investigations and the Religions Use of Language." The committee to conduct the examination consists of Professors William Poteat, Stuart Henry, Charles Robinson and Paul Welsh. Professor Poteat will reside.

## DUKE RADIO PROGRAM "CHALLENGES IN EDUCATION"

Duke University's weekly radio program, "Challenges in Education," may be heard in this area on Saturday mornings; 9:55 on WDNC in Durham and 11:30 on WPTF in Raleigh. This week, Dr. Douglas Knight, President of Duke, gives his views on "Athletics and Higher Education."

## 1964-65 ART EXHIBITIONS

The members of the University Community are extended a cordial invitation to visit the continuous showing of art exhibitions being held in the Gallery of the Woman's College Library and the Lounge of the West Union Building during the hours of 8:30 a.m. until 10:00 p.m. daily. Under the sponsorship of the Art Department on East and the Student Union Fine Arts Committee on West, the exhibits are open to the public without charge.

The exhibitions now on display include, on West, "Prize Winning American Prints" from the Pratt Graphic Art Center and, on East, "Chiaroscuro Woodcuts" from the Binet Print Collection.

The exhibition, Prize Winning American Prints, is an outstanding selection of 34 prints by as many artists in a variety of techniques and pictorial approaches. The exhibition explores the four basic processes of graphic production, wood cut, engraving, etching, and lithography, as well as numerous variations and derivations in practice that surround these graphic processes.

This exhibition is on loan from the Pratt Graphic Art Center which is an extension of the Art School of Pratt Institute and an international workshop for professional print makers. This non-profit workshop offers instruction, exhibitions, publications, lectures and printing services.

The Gallery in the East Campus Library is showing through October 14th, a group of chiaroscuro woodcuts of the 16th-18th centuries loaned by the George Binet Print Collection of Brimfield, Massachusetts. The chiaroscuro technique depends for its distinctive appearance on the use of several blocks, each inked with one of a series of tints of the same color, printed in sequence with a master or "key"

block, customarily black. The latter may be said to supply the "drawing" while the gradations of two or three tints supplies the modelling and color. The French term for this technique "cameien," or cameo, very well suggests the appearance of such work.

The some three dozen examples in the exhibition include representatives of most of the major national art traditions of Europe. Among the earliest prints are several by the Italian, Ugo da Carpi, who is the first, and to some tastes the finest, major producer of chiaroseuro prints. There are numerous seventeenth-century examples, many French, while the eighteenth century is represented with several sumptuous productions. The technique seems to have largely died out, along with much else of worth and charm, at the close of the eighteenth century.

Campus collectors may be interested to note that despite the unexpected and dismaying increase in chiaroseuro prices within the last year, several of the items in the exhibition are available at reasonable prices.

### 1964-65 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates, with the exception of the BBC Symphony Orchestra Concert which will be held in the Indoor Stadium.

The 1964-65 Series is as follows:

LEONARD ROSE, Cellist Monday, November 30

Rose, who plays a rare Amati cello dating from 1662, is acclaimed as one of the true virtuosos of that instrument. He is sought after at home and abroad for concerts and has recorded a veritable library of great cello music. Critics have said that "Rose is another name for perfection in the art of cello."

"I consider Leonard Rose the superlative cellist of today."  
... Dimitri Mitropoulos

AMERICAN BALLET THEATRE Thursday, December 10

America's oldest and most honored native ballet company, the American Ballet Theatre has toured more than any company in history, has developed the largest repertoire of both classical and contemporary ballets, and has discovered and developed more dancers, choreographers, designers and composers than any other company. In its 24 years it has produced 103 ballets, of which 32 were world premieres and another 29 were premiered in the company's experimental workshop. Its widely acclaimed tours abroad in 37 countries have earned the company the title of "America's No. 1 Cultural Export."

THE GOLDOVSKY GRAND OPERA THEATRE Friday, February 12

Donizetti's "Don Pasquale"

By popular request Boris Goldovsky brings his Opera Theatre to Duke for the third consecutive year. "Don Pasquale" is opera buffa at its best and is considered by many to be Donizetti's finest work. The opera will be presented in English with a company of 50 including orchestra and chorus, fully staged with handsome sets and costumes.

JOHN OGDON, Pianist Thursday, February 18

Mr. Ogdon was co-winner of the Tchaikowsky International Piano Competition in 1962. He was immediately invited to

tour the Soviet Union and this past season the talented young Briton made a highly acclaimed American debut tour.

"... a huge talent." New York Tribune

"A name destined to resound in the music of our time."  
Saturday Review

BBC SYMPHONY ORCHESTRA Tuesday, May 4

Formed in 1930, the BBC Symphony Orchestra is one of the world's most famous. Achieving prominence under its first conductor Sir Adrian Boult, its fame continued under the leadership of Sir Malcolm Sargent and Rudolf Schwartz. Though the orchestra at present has no permanent conductor, Antal Dorati was appointed in 1963 as Chief Conductor until 1966. The 96-member orchestra is the main broadcasting orchestra of the BBC London studios, plays a noted winter series of concerts at Royal Festival Hall and is the mainstay of London's Henry Wood Promenade Concerts each summer which attract over a quarter of a million persons per year.

### CHAMBER MUSIC CONCERTS

The Chamber Arts Society announces the following six concerts for the 1964-65 season:

Saturday, October 31—Beaux Arts Trio  
Saturday, November 21—Hungarian Quartet  
Saturday, December 5—Drole Quartet (Berlin)  
Saturday, February 13—Pasquier Trio (Paris)  
Saturday, March 13—Juilliard Quartet  
Saturday, April 17—Fine Arts Quartet

These concerts will be held in the Music Room, East Duke Building, beginning at 8:15 p.m. **Admission: Membership** in the Chamber Arts Society is open to all persons, and entitles to admission to all concerts. The cost of membership will be \$12.00. The Committee of the Society limits membership to 330 persons, the remaining 70 admissions being available to individuals who purchase **Guest Cards** for single concerts at price of \$2.50. These Guest Cards may be obtained at the door of the Music Room on concert evenings from 7:30 p.m. to 8:00 p.m. For tickets, contact Dr. Ernest Nelson (address Box 6065, College Station, Durham, N. C.).

### MEAL HOURS—MEN'S DINING HALLS

WEEKLY MEAL HOURS		SUNDAY HOURS	
<i>Cafeterias:</i>		<i>Cafeterias:</i>	
Breakfast	7:00- 9:30 a.m.	Breakfast	8:30-11:00 a.m.
Lunch	11:00- 2:00 p.m.	Lunch	11:30- 2:00 p.m.
Dinner	5:00- 7:00 p.m.	Dinner	5:00- 7:00 p.m.
<i>Snack Bar:</i> 9:30-11:00 a.m.			
<i>Oak Room:</i>		<i>Oak Room:</i>	
Lunch	11:30- 2:00 p.m.	Lunch	11:30- 2:00 p.m.
Dinner	5:00- 7:00 p.m.	Dinner	5:00- 7:00 p.m.

### MEAL HOURS—WOMAN'S COLLEGE DINING HALLS

WEEKLY MEAL HOURS		SUNDAY HOURS	
Breakfast	7:15- 8:45 a.m.	Breakfast	8:30- 9:30 a.m.
Lunch	11:15- 1:30 p.m.	Lunch	11:30- 1:30 p.m.
Dinner	5:00- 6:30 p.m.	Dinner	5:00- 6:15 p.m.

### MEAL HOURS—GRADUATE CENTER DINING HALLS

WEEKLY MEAL HOURS		SUNDAY HOURS	
Breakfast	7:00- 9:30 a.m.	Breakfast Bar Only	
Lunch	11:15- 1:30 p.m.		8:30-11:00 a.m.
Dinner	5:00- 6:30 p.m.		
<i>Coffee Lounge:</i> 11:30 a.m.-11:00 p.m.			



## LIBRARY HOURS

### GENERAL LIBRARY

Main Loan Desk	
Monday-Friday	8:00 a.m.-11:00 p.m.
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	2:00 p.m.-11:00 p.m.
Graduate Reading Room	
Monday-Friday	8:00 a.m.-12:00 M
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	1:30 p.m.-12:00 M
Undergraduate Reading Room	
Monday-Friday	8:00 a.m.-12:00 M
Saturday	8:00 a.m.-10:30 p.m.
Sunday	1:30 p.m.-12:00 M
Periodicals Room	
Monday-Friday	8:00 a.m.-11:00 p.m.
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	1:30 p.m.-11:00 p.m.
Newspaper Room	
Monday-Friday	8:30 a.m.- 5:00 p.m.
	6:30 p.m.-10:00 p.m.
Saturday	8:30 a.m.- 1:00 p.m.
Sunday	Closed
Manuscript Department and Rare Books Department	
Monday-Friday	8:30 a.m.- 5:00 p.m.
Saturday	8:30 a.m.- 1:00 p.m.
Sunday	Closed
Public Documents Room	
Monday-Friday	8:00 a.m.- 5:00 p.m.
	7:00 p.m.-10:00 p.m.
Saturday	8:30 a.m.- 5:00 p.m.
Sunday	Closed
Reference Department	
Monday-Friday	8:00 a.m.-11:00 p.m.
Saturday	8:00 a.m.- 6:00 p.m.
Sunday	2:00 p.m.- 6:00 p.m.

### WOMAN'S COLLEGE LIBRARY

Monday-Friday	8:00 a.m.-10:30 p.m.
Saturday	8:00 a.m.- 5:00 p.m.
Sunday	2:00 a.m.-10:30 p.m.

SCHEDULES for school, college and departmental libraries are posted in each library.

## DUKE UNIVERSITY 1964 FOOTBALL SCHEDULE AND TICKET PRICES

### AT HOME

Date	Time	Opponent	Regular	Family Plan	Children
Sept. 26—2:00		Virginia	\$4.50	\$2.50	\$ .75
Oct. 10—2:00		Maryland	4.50	2.50	.75
Oct. 17—2:00		N. C. State	4.50	2.50	.75
Oct. 31—2:00		Georgia Tech*	5.00	2.50	.75

\*Homecoming

### SEASON TICKETS—

PREFERRED LOCATION	\$16.00
FAMILY PLAN (ADULT)	8.00
(CHILD)	3.00
(FACULTY)	4.00

### AWAY

Date	Time	Opponent	Price
Sept. 19—8:00		South Carolina	\$4.65
Oct. 3—2:00		Tulane	5.00
Oct. 24—2:00		U. S. Military Academy	5.00
Nov. 7—2:00		Wake Forest	4.00
Nov. 14—1:30		U. S. Naval Academy	5.00
Nov. 21—1:30		Univ. of North Carolina	4.50

### FAMILY PLAN

To make it possible for Family Groups to attend games at a reduced price, the Duke Athletic Asso-

ciation is continuing this year, a Family Plan for tickets. Under this PLAN, a section of end zone seats has been set aside for sale as SEASON tickets to adults at \$8.00 each and to children (high school age and under) at \$3.00 each for the four home games. Thus, a family of four can attend ALL four of Duke's home games at a total cost of \$22.00. Tickets for individual games in this family plan area will be priced at \$2.50 each for adults and 75c each for children. All seats will be RESERVED.

## GOTHIC BOOKSHOP

The Gothic Bookshop, located by Page Auditorium, now greatly enlarged, is the campus trade bookshop and browsing headquarters. Here you will find the best of current and standard hard-cover books, as well as more than four thousand quality paperback titles, prints, and sculptures. A great many excellent books, both new and used, have been reduced by 40% to 80% in price to celebrate the opening of our new premises.

## WEEKLY CALENDAR INFORMATION

This is the second issue of the University Weekly Calendar of Duke University for the academic year 1964-65. Hereafter, the Calendar will appear every Saturday morning.

Members of the faculty and staff are requested to have notices for publication in the Calendar in Room 202-A Flowers Building, West Campus, not later than 1:00 p.m. on Wednesday. This is absolutely necessary in order that the Calendar may be handled by the printers and be ready for distribution early Saturday morning.

Distribution of the Calendar to faculty, staff, graduate and undergraduate students will be handled in the following fashion:

Faculty—Copies to departmental offices unless an individual office is in another building in which case the office will receive a copy.

Staff—Copies to various Administrative offices and to individual staff offices.

Graduate Students—Copies to departmental offices.

Undergraduate Students—Copies to dormitories for posting purposes only.

Hospital Faculty and Staff—Copies to Hospital Post Office for distribution via individual boxes.

Further clarification may be obtained by calling Extension 2911.

## AMERICAN ASSOCIATION OF UNIVERSITY WOMEN OPEN HOUSES

The American Association of University Women will hold an open house for new members on Sunday, September 27th, from 4:00 to 6:00 p.m. at the Allied Art Center, 810 Proctor Street. All women in the University Community who are graduates of a four-year college and interested in current events and community activities are cordially invited to attend the open house. If you have any questions, please contact Mrs. Kenneth E. Miller, president, extension 2641.

WEEK OF  
Oct. 4-10, 1964

WEEK OF  
Oct. 4-10, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, October 4

- Denominational Meetings. See special notice.  
9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. World Wide Communion. University Chapel. Celebrant: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University. Communion Meditation: The Reverend Dr. James T. Cleland, Dean of the Chapel. Broadcast over Radio Station WDNC and WDNC-FM.  
4:00-6:00 p.m. International Open House. International House on Campus Drive.

### Monday, October 5

- 8:30 a.m. The final examination of Mr. John Whitson Cell for the Ph.D. degree in History. Room 108-A West Duke Building.  
3:30 p.m. Fall Retreat of Duke University Religious Council. Camp New Hope.  
4:00 p.m. Biochemistry-Chemistry Seminar. Room 01 Chemistry Building. Speaker: Dr. T. R. Govindachari.  
4:15 p.m. Botany and Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. G. Ray Noggle.  
5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.  
5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.  
8:00 p.m. Erasmus Club. Green Room, East Duke Building. Speaker: Mr. A. Leslie Willson.

### Tuesday, October 6

- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Professor Harmon L. Smith.  
3:00 p.m. The final examination of Mr. Paul Wallace Peddicord for the Ed.D. degree in Education. Room 08D West Duke Building.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:00 p.m. Mathematics Seminar. Room 114 Physics Building. Speaker: Professor Richard A. Seoville.  
4:00 p.m. Sociology-Economics Lecture. Room 130 Sociology-Psychology Building. Speaker: Professor James Irving.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.  
8:00 p.m. Annual Korkes Lecture. Room 125 Engineering Auditorium. Speaker: Dr. Rodney R. Porter.

### Wednesday, October 7

- 9:00 a.m. The final examination of Mr. Schoneberg Setzer for the Ph.D. degree in Religion. Library Conference Room.  
10:00 a.m. The final examination of Mr. Richard Edgar Gift for the Ph.D. degree in Economics. Room 214 Social Science Building.  
10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Professor Harmon L. Smith.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 p.m. **ONLY.** Quadrangle Pictures. Page Auditorium. "The Bridge on the River Kwai" with Alec Guinness, William Holden, and Jack Hawkins. Winner of 27 International awards and 7 Academy Awards. In Technicolor and cinemascope.

## Thursday, October 8

- 10:10 a.m. Divinity School Lecture. York Chapel. Speaker: Mr. Edward E. Woodall, Jr.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-110. Speaker: Dr. Chester Hyman.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:00 p.m. Slide Rule Lecture. Room 125 Engineering Building. Speaker: Dr. Rhett George.
- 7:00 p.m. Honors-Masters Program. Room 139 Social Science Building.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, October 9

- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Mr. Hubert T. Davis.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

## Saturday, October 10

- 2:00 p.m. Varsity Football: Duke versus University of Maryland. Stadium.
- 4:15 p.m. Student Union Open House. Union Ballroom.
- 7:00 p.m. **ONLY.** Quadrangle Pictures. Page Auditorium. "The Bridge on the River Kwai" with Alec Guinness, William Holden, and Jack Hawkins. Winner of 27 International awards and 7 Academy Awards. In Technicolor and cinemascope.
- 8:00 p.m. Joint Duke-UNC Philosophy Colloquium. Room 211A West Duke Building. Speaker: Professor Paul Oskar Kristeller.

## THE UNIVERSITY SERVICE OF WORSHIP WORLD-WIDE COMMUNION SERVICE

Holy Communion will be celebrated at the University Service of Worship on Sunday, October 4th in the University Chapel. This Sunday is observed in many lands as "World-Wide Communion Sunday," and will be so observed at the Duke service.

The Celebrant will be the Reverend Dr. Howard C. Wilkinson, Chaplain to the University. The Reverend Professor James T. Cleland will preach the communion meditation.

The preacher who is scheduled to preach next Sunday, October 11th, is the Reverend Dr. Waldo Beach, Professor of Christian Ethics in the Divinity School.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday, 9:30 A.M.**, Rides leave for local Baptist churches; coffee and donuts will be served prior to departure. **Thursday, 12:15 P.M.**, Faculty-Graduate Student Luncheon—Dean Margaret Ball will speak on, "Foreign Policy and the National Election," in the first of a series on the theme of "The Christian Conscience and the National Election." **Friday, 5:30 P.M.**, Supper Forum and Worship. Discussion groups on "Christian Faith and Secularism," led by Dr. Thomas McCullough, and "The Moral Crisis in American Society," led by Chaplain Bob Hyatt.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday, 9:15 A.M.** (Chapel of St. Michael), Holy Communion; 12:00 Noon, Picnic at the home of the Epis. Chaplain; transportation will leave East Campus, Hanes House, and the West Union bus stop between Noon and 12:15. **Wednesday, 7:10 A.M.**, Holy Communion. **Thursday, 5:30 P.M.**, Holy Communion.

Evening Prayer will be read at St. Philip's Church on Main Street each Sunday at 5:00 P.M. Lay readers from the University and Durham parishes will lead the service. All members of the University community are invited.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday, 6:30 P.M.**, Green Room, East Duke Building, Reading of Experimental Liturgy and Discussion. Discussion will be followed by informal folk singing. **Monday, 5:30 P.M.**, Men's Graduate Center, Supper meeting with discussion of J. B. Phillip's **Your God Is Too Small.**

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 9:00 A.M.**, Light breakfast and seminars: "The Congregation in Mission," and "A Dialogue: Christianity and Culture." (Open to all members of the University community.) 6:15 P.M., Holy Communion.

Two short courses, "What Is Religious Art?," led by Dr. John Dixon of the Religion and Art Departments of U.N.C., and "Biblical Faith and the Ethical Revolution," led by Dr. Thomas McCullough of the Duke Religion Department, will be offered on the four Sunday evenings of October 4, 11, 25, and November 1, at 7:15 P.M. at the Methodist Center. These courses will attempt to provide an introduction

into two areas of the University curriculum. They are open to all members of the University community.

"Religious Art in Original Prints" will be on exhibit at the Methodist Center on Oregon Street until October 25. Outstanding examples of religious graphic art from the woodcuts of early books to the interpretations of the great contemporary artists are included in the exhibit. All prints in the exhibit may be purchased.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 5:30 P.M.**, Westminster Vespers and Service of Holy Communion; **6:00 P.M.**, Westminster Smorgasbord; **6:30 P.M.**, Mr. Carl Turner, "The Russian and the U. S. Election."

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.**, at the home of Dr. and Mrs. Richard Grant, 2599 Wrightwood Avenue. After a short business meeting and a snack supper, Gary Stephens, who participated in the U.C.C.F. Latin American Seminar this summer, will speak on the topic, "The Revolutionary Mood in Latin America." Transportation will leave the Chapel steps and the East Campus circle at **5:15 P.M. Wednesday, 12:40 P.M.**, Luncheon in Gilbert-Addoms Dining Room on East with Mr. Jose Chipenda, the travel representative of the World Student Christian Federation.

#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. John Whitson Cell for the Ph.D. degree in History will be held on Monday, October 5th, at **8:30 a.m.** in Room 108A West Duke Building. The subject of Mr. Cell's dissertation is "British Colonial Policy in the 1850's: A Study of the Decision-Making Process." The committee to conduct the examination consists of Professors W. B. Hamilton, I. B. Holley, H. T. Parker, and W. H. N. Hull. Professor Hamilton will preside.

#### **BIOCHEMISTRY-CHEMISTRY SEMINAR**

Dr. T. R. Govindachari, Director of the Ciba Research Center, Goregaon, Bombay, India, will speak at the Biochemistry-Chemistry Seminar at **4:00 p.m.** on Monday, October 5th, in Room 01 Chemistry Building. The subject of Dr. Govindachari's address will be "Recent Studies in Natural Products." All interested persons are cordially invited to attend.

#### **BOTANY AND ZOOLOGY SEMINAR**

The Botany and Zoology Departments will hold their weekly seminar on Monday, October 5th, in the Auditorium of the Biological Sciences Building at **4:15 p.m.** Dr. G. Ray Noggle, Chairman, Department of Botany and Bacteriology at North Carolina State, Raleigh, will speak on "A Botanist in India." Dr. Noggle received his M.S. and Ph.D. at the University of Illinois. His research interests are in Plant Biochemistry and growth and development. He has been associated with Oak Ridge National Laboratory

and until last year was Chairman of the Department of Botany at Florida State University. Dr. Noggle spent this past summer in India as a science consultant to the U. S. Agency for International Development (AID). Refreshments will be served in the foyer at **4:00 p.m.**

#### **U. R. C. FALL RETREAT**

All members of the Duke University Religious Council are asked to note that the annual Fall Retreat of the Council will be held at Camp New Hope, Monday, October 5th. Cars will leave the Chapel steps and the East Campus circle at **3:30 p.m.** for all who can go out to the Camp for recreation and fellowship prior to the dinner hour. All others will leave at **5:30 p.m.** to arrive at Camp in time for dinner at **6:00 o'clock.** Worship and business will follow the evening meal. It is expected that the business session will adjourn not later than **9:00 p.m.**

#### **ERASMUS CLUB**

The Erasmus Club will hold its first meeting of the academic year on Monday, October 5th, at **8:00 p.m.** in the Green Room, East Duke Building. Mr. A. Leslie Willson, Associate Professor in the Department of Germanic Languages and Literature, will speak on the topic "The Grotesques of Gunther Grass: An Inquiry into *The Tin Drum*." The meeting is open to all interested persons.

#### **FINAL EXAMINATION FOR THE ED.D. DEGREE**

The final examination of Mr. Paul Wallace Peddicord for the Ed.D. degree in Education will be held on Tuesday, October 6th at **3:00 p.m.** in Room 08D West Duke Building. The subject of Mr. Peddicord's dissertation is "Citizens' Committees in the Public School Systems of North Carolina." The committee to conduct the examination consists of Professors Allan S. Hurlburt, W. H. Cartwright, E. C. Bolmeier, Olan L. Petty, and R. H. Couery. Professor Hurlburt will preside.

#### **MATHEMATICS SEMINAR**

The Department of Mathematics will hold a seminar on Tuesday, October 6th, at **4:00 p.m.** in Room 114 Physics Building. The speaker will be Professor Richard A. Seoville and his topic will be "The Hat-Check Problem." Coffee and tea will be served at **3:30 p.m.** in Room 120 Physics Building.

#### **SOCIOLOGY-ECONOMICS LECTURE**

The Sociology and Economics Departments will sponsor a lecture on Tuesday, October 6th, at **4:00 p.m.** in Room 130 Sociology-Psychology Building. The speaker will be Professor James Irving, Professor of Sociology, Rhodes University, Republic of South Africa. His subject will be "The South African Native Industrial Worker."



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### KORKES MEMORIAL LECTURE

The Department of Biochemistry will sponsor the VIII Annual Korkes Memorial Lecture on Tuesday, October 6th, at 8:00 p.m. in Room 125, Engineering Auditorium. The guest speaker will be Dr. Rodney R. Porter from Wright-Fleming Institute of Microbiology, St. Mary's Hospital Medical School, Paddington, London, England. He will be lecturing on "The Structure of Antibodies."

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### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Schoneberg Setzer for the Ph.D. degree in Religion will be held on Wednesday, October 7th at 9:00 a.m. in the Library Conference Room. The subject of Mr. Setzer's dissertation is "A Critique of the Fundamentalist Doctrine of the Inerrancy of the Biblical Autographs in Historical, Philosophical, Exegetical and Hermeneutical Perspective." The committee to conduct the examination consists of Professors Hugh Anderson, Waldo Beach, Egil Grislis, and Stuart Henry. Professor Anderson will preside.

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### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Richard Edgar Gift for the Ph.D. degree in Economics will be held on Wednesday, October 7th, at 10:00 a.m. in Room 214 Social Science Building. The subject of Mr. Gift's dissertation is "Estimating Manufacturing Capacity." The committee to conduct the examination consists of Professors Frank A. Hanna, Frank T. de Vyver, C. B. Hoover, R. S. Smith, and J. J. Spengler. Professor Hanna will preside.

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### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, October 8th, at 4:00 p.m. in Room M-110. The speaker will be Dr. Chester Hyman, Professor of Physiology, University of Southern California School of Medicine, Los Angeles. He will speak on "Evidence for a Dual Blood Circulation in Muscle."

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### SLIDE RULE LECTURE

The College of Engineering will hold a Slide Rule Lecture on Thursday, October 8th, at 7:00 p.m. in Room 125 Engineering Building. The speaker will be Professor Rhett George. His subject will be "Multiplication and Division (C and D scales)."

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### HONORS-MASTERS PROGRAM

The Honors-Masters Program will sponsor for the third successive year an open meeting for all undergraduates interested in doing graduate work and attending graduate school on Thursday, October 8th, at

7:00 p.m. in Room 139 Social Science Building. Dean Frank Bowman of the Graduate School, Professor Robert Colver of the Bureau of Testing and Guidance, and members of the Honors-Masters Committee will discuss among other things the problem of choosing a graduate school, the several tests that should be taken as a pre-condition to applying to graduate school, and financing graduate work. There will be opportunity for questions.

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### DIVINITY SCHOOL CHAPEL

The program for the Divinity School Chapel on Friday, October 9th, at 10:10 a.m. will be a reading of the morality play, "A Summoning of Everyman." This play portrays Everyman as he is summoned to his final reckoning and attempts to prepare himself for this pilgrimage. The reading will be by Mr. Hubert T. Davis.

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### JOINT DUKE-UNC PHILOSOPHY COLLOQUIUM

Professor Paul Oskar Kristeller, Professor of Philosophy at Columbia University, who is an expert on the Medieval period, will be the guest of the Philosophy Departments of Duke and UNC on Friday and Saturday, October 9th and 10th. On Friday, at 8:00 p.m., he will speak in Chapel Hill in the Faculty Lounge of the Morehead Planetarium on "Renaissance Concepts of Man." On Saturday, at 8:00 p.m. he will speak in 211A West Duke Building, East Campus, on "Renaissance Aristotelianism." Interested members of the University Community are cordially invited.

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### DUKE OPEN GOLF TOURNAMENT

Saturday, October 3rd, marks the opening of the Duke Open Golf Tournament. All students, faculty and staff are cordially invited to play in this 54-hole medal play event. There will be flights as determined by first round scores and trophies awarded to each flight winner. The first round will be played from October 3rd to 10th, the second from October 10th to 17th, and the third from October 17th to 25th with a playoff among the top 8 low scorers on Sunday, October 25th. Registration for this event is at the Duke Golf Course where further information is available. The Tournament is being handled by the Athletic Department and the Student Union Special Activities Committee with Jim Coil, '67 as director.

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### DUKE RADIO PROGRAM

Duke University's weekly radio program, "Challenges in Education," may be heard in this area on Saturdays at 9:55 a.m. on WDNC in Durham and at 11:30 a.m. on WPTF in Raleigh. This week's feature is the Bureau of Testing and Guidance. Dr. Henry Weitz, Director of the Bureau, will discuss the services that Testing and Guidance perform for the University Community.

## ART LOAN COLLECTION

The Duke University Art Loan Collection is available for rent in Room 103 Asbury Building on Mondays through Fridays, between the hours of 9:00 a.m. and 5:00 p.m. The collection contains reproductions of contemporary art and also some originals. The pictures are rented for a semester; the rental fee to be paid in advance is \$3.00.

## STUDENT LOAN PICTURES

Student loan pictures will be available free of charge through the Department of Art in Room 103 Asbury Building from 9:00 a.m. until 5:00 p.m. on Mondays through Fridays. The pictures are framed for hanging and are reproductions of oil paintings, water colors, and etchings.

## UNIVERSITY FACULTY COUNCIL

There will **not** be a meeting of the University Faculty Council in October.

## ADVANCE NOTICE

### WOODROW WILSON FELLOWS RECEPTION

Woodrow Wilson Graduate Fellows and their wives and husbands are invited to a reception on Tuesday, October 13th, at 4:00-6:00 p.m. in the Sarah Duke Biddle and Alumnae Parlors, East Duke Building, East Campus. Interested administrative officers, department chairmen, directors of graduate studies, and faculty members are invited to attend.

## ADVANCE NOTICE ORGAN RECITAL

The first organ recital of the academic year will be presented by Mildred L. Hendrix, University Organist, on Sunday afternoon, October 11th, at 4:00 p.m. in the Duke University Chapel.

## ADVANCE NOTICE STUDENT UNION ATTRACTIONS

The Student Union Major Attractions Committee announce two popular entertainments scheduled for October in the Indoor Stadium.

On Saturday, October 17th, at 6:30 p.m. "Peter, Paul and Mary," leading folksinging trio.

On Saturday, October 31st, at 6:30 p.m. Bob Newhart, comedian and Peter Nero, exciting young pianist.

Tickets for "Peter, Paul and Mary" are now available by writing: Duke University Student Union, Box KM, Duke Station, Durham, N. C. Reserved seats priced at \$2.50 and \$2.00 and unreserved at \$2.00 and \$1.50. Box Office hours will be announced. Mail orders must include a self addressed, stamped envelope.

The Student Union Fine Arts Committee will again present the **Young Artists Series** which include:

Sabicas, flamenco guitarist, on Wednesday, October 14th, at 8:15 p.m. in Baldwin Auditorium.

Ravi Shankar, India's leading satirist on Thursday, October 22nd, at 8:15 p.m. in Page Auditorium.

San Francisco Contemporary Dancers Co. on Tuesday, March 9th, at 8:15 p.m. in Page Auditorium.

Tickets for these programs will be as follows: ID cards for all Duke undergraduates (whose activities fee make possible the Student Union programs); \$.50 tickets for all other students (graduate and primary and secondary schools); \$1.00 tickets for all others. The box office will be open at 7:00 p.m. the night of the concerts.

## 1964-65 ART EXHIBITIONS

The members of the University Community are extended a cordial invitation to visit the continuous showing of art exhibitions being held in the Gallery of the Woman's College Library and the Lounge of the West Union Building during the hours of 8:30 a.m. until 10:00 p.m. daily. Under the sponsorship of the Art Department on East and the Student Union Fine Arts Committee on West, the exhibits are open to the public without charge.

The exhibitions now on display include, on West, "Prize Winning American Prints" from the Pratt Graphic Art Center and, on East, "Chiaroscuro Woodcuts" from the Binet Print Collection.

## 1964-65 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates, with the exception of the BBC Symphony Orchestra Concert which will be held in the Indoor Stadium.

The 1964-65 Series is as follows:

LEONARD ROSE, Cellist	Monday, November 30
AMERICAN BALLET THEATRE	Thursday, December 10
THE GOLDOVSKY GRAND OPERA THEATRE	Friday, February 12
JOHN OGDON, Pianist	Thursday, February 18
BBC SYMPHONY ORCHESTRA	Tuesday, May 4

## CHAMBER MUSIC CONCERTS

The Chamber Arts Society announces the following six concerts for the 1964-65 season:

Saturday, October 31—Beaux Arts Trio  
Saturday, November 21—Hungarian Quartet  
Saturday, December 5—Drole Quartet (Berlin)  
Saturday, February 13—Pasquier Trio (Paris)  
Saturday, March 13—Juilliard Quartet  
Saturday, April 17—Fine Arts Quartet

These concerts will be held in the Music Room, East Duke Building, beginning at 8:15 p.m.





WEEK OF  
Oct. 11-17, 1964

# CALENDAR

WEEK OF  
Oct. 11-17, 1964

## OF DUKE UNIVERSITY



### Events of the Week

#### Sunday, October 11

Denominational Meetings. See special notice.

9:30 a.m. Chapel Choir Rehearsal.

10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.

11:00 a.m. University Service of Worship. University Chapel. Preacher: Reverend Doctor Waldo Beach, Professor of Christian Ethics, Divinity School. Sermon: "On Making Good." Broadcast over Radio Station WDNC and WDNC-FM.

2:00 p.m. Student Union Chess Club Meeting. 208 Flowers.

2:30 p.m. Lawn Concert by Duke Concert Band. West Quadrangle.

4:00 p.m. Organ Recital. University Chapel. Mildred L. Hendrix.

4:00-5:30 p.m. Preview and reception honoring Edith London. West Gallery, Union Building.

4:00-6:00 p.m. International Open House. International House on Campus Drive.

#### Monday, October 12

11:00 a.m. Law School Speaker Program. Law School Court Room. Speaker: Mr. Eugene Patterson.

4:15 p.m. Botany and Zoology Seminar. Auditorium Biological Sciences Building. Speaker: Dr. David S. Smith.

5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.

5:00-6:00 p.m. Faculty volleyball. Indoor Stadium.

7:00 p.m. Student Union Duplicate Bridge Club. Green Room, East Duke.

#### Tuesday, October 13

10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Professor Waldo Beach.

3:00 p.m. Campus Club Meeting: Reception honoring Newcomers. Hill House.

3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.

3:30 p.m. Social Science Seminar. Room 234 Allen Building. Speaker: Dr. Paul Lazarsfeld.

4:00-6:00 p.m. Reception for Interim Woodrow Wilson Fellows. Parlor East Duke Building.

4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.

5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.

7:00 p.m. Duke Sailing Club. Room 101 West Duke. Speaker: Mr. Meldau.

7:30 p.m. Social Science Seminar. Room 130 Sociology-Psychology Building. Speaker: Dr. Paul Lazarsfeld.

8:15 p.m. "An Evening with Iain Hamilton." Music Room East Duke Building.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



## Wednesday, October 14

- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Professor Waldo Beach.
- 2:00 p.m. Final examination of Mr. Michael Stephen Patrick Lucas for the Ph.D. degree in Electrical Engineering. Room 132 Engineering Building.
- 2:30 p.m. Final examination of Mr. Pinckney Alston Steiner for the Ph.D. degree in Physics. Room 218 Physics Building.
- 3:00 p.m. Joint Duke-UNC Physics Colloquium. Room 114 Physics Building. Speaker: Dr. Raymond Davis, Jr.
- 3:30 p.m. Social Science Seminar. Room 234 Allen Building. Speaker: Dr. Paul Lazarsfeld.
- 4:00 p.m. Psychology Colloquium. Room 130 Psychology-Sociology Building. Speaker: Dr. John H. Flavell.
- 4:00 p.m. Applied Statistics Seminar. Room 114 Physics Building. Speaker: Dr. Marion R. Bryson.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:05 p.m. Quadrangle Pictures. Page Auditorium. "Yojimbo." A Japanese film by Akira Kurosawa starring Toshiro Mifune who won "Best Actor" award Venice Film Festival. "A magnificent ironic parable."—**Saturday Review**. "Kurosawa emerges as a bone-cracking satirist who with red-toothed glee chews out his century as no dramatist has done since Bertolt Brecht . . . like a giant cauldron the screen boils with life . . ."—**Time Magazine**.
- 7:30 p.m. Social Science Seminar. Room 130 Sociology-Psychology Building. Speaker: Dr. Paul Lazarsfeld.
- 8:15 p.m. Student Union Young Artist Series: Sabicas, Flamenco Guitarist. Baldwin.

## Thursday, October 15

- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Mr. Thomas C. Daily.
- 12:30 p.m. Kappa Delta Pi Luncheon. Men's Graduate Center. Speaker: Dr. James Valsame.
- 3:00-5:00 p.m. Newcomers Club Meeting. Mrs. R. Taylor Cole, 7 Sylvan Road.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204. Speaker: Dr. Bernard Belleau.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:00 p.m. Slide Rule Lecture. Room 125 Engineering Building. Speaker: Mr. Ralph Barnes.

- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, October 16

- 9:00 a.m.-5:00 p.m. Medical Symposium. Page Auditorium. See special notice.
- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Professor M. Wilson Nesbitt and Mr. Norman Neaves.
- 12:00 noon Registration for Dad's Day weekend. Flowers Lounge.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 6:00 p.m. Dad's Day Bouquet. The Great Hall. Speakers: President Knight, Coach James.
- 8:30 p.m. Dad's Day Concert. Duke Concert Band. Page Auditorium.

## Saturday, October 17

- 9:00-11:00 a.m. Medical Symposium. Page Auditorium. See special notice.
- 2:00 p.m. Varsity Football: Duke versus North Carolina State College. Stadium.
- 4:15 p.m. Student Union Open House. Union Ballroom.
- 6:30 p.m. Student Union Presents: "Peter, Paul and Mary." Indoor Stadium.
- 7:00 and 9:05 p.m. Quadrangle Pictures. Page Auditorium. "Yojimbo." A Japanese film by Akira Kurosawa starring Toshiro Mifune who won "Best Actor" award Venice Film Festival. "A magnificent ironic parable."—**Saturday Review**. "Kurosawa emerges as a bone-cracking satirist who with red-toothed glee chews out his century as no dramatist has done since Bertolt Brecht . . . like a giant cauldron the screen boils with life . . ."—**Time Magazine**.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Waldo Beach, Professor of Christian Ethics, The Divinity School, will deliver the sermon at the University Service of Worship on Sunday, October 11th, at 11:00 a.m. in the University Chapel. His subject will be "On Making Good." The order of service follows:

The Reverend Professor James T. Cleland, Dean of the Chapel, Presiding Minister.

Dr. Margaret Ball, Dean of Woman's College, Lector.

Opening Organ Voluntary—Andante from Concerto I

Chaconne *Handel*  
Call to Worship—"The Lord Is in His Holy Temple" *Buxtehude*

Hymn—"Joyful, Joyful, We Adore Thee" *Harrington*

The Prayer of Confession *Beethoven*

Words of Assurance

The Lord's Prayer

Anthem—"Praise the Lord" *Praetorius*

Scripture—Matthew 6:22-33

Hymn—"O For A Thousand Tongues to Sing" *Carl G. Gläser*

Call to Prayer

The Pastoral Prayer of Adoration, Thanksgiving, Intercession,  
Petition and Dedication

The Offering

Offertory Organ Interlude

Anthem—"O Heart Subdued With Grieving" *J. Brahms*

Response—The Doxology

Prayer of Dedication

Sermon—"On Making Good"

Prayer

Benediction

Choral Response—"Sevenfold Amen" *Stainer*

The Chimes

Closing Organ Voluntary—

"We All Believe In One God, Creator" *Bach*

The preacher who is scheduled to deliver the sermon at the October 18th service will be The Reverend Dr. Creighton Lacy, Professor of World Christianity.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday**, 9:30 A.M., Rides leave for local churches. Coffee and donuts will be served prior to departure. **Friday**, 5:30 P.M., Supper Forum: Worship, supper and discussion. Discussions on "Christian Faith and Secularism" led by Dr. Thomas McCullough, and "The Moral Crisis in America" led by Chaplain Bob Hyatt.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday** (Trinity XX), 9:15 A.M., Holy Communion; 12:15 P.M., Picnic at the Chaplain's home (postponed from last Sunday). Cars will leave the West Union bus stop, East circle and Hanes at 12:15. **Tuesday**, 6:00-7:00 P.M., Seminar on the writings of C. S. Lewis. **Wednesday**, 7:10 A.M., Holy Communion. **Thursday**, 5:30 P.M., Holy Communion.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, 6:30 P.M., Bowling Party. Cars will pick up students at the Chapel steps on West, East circle and Hanes House. **Monday**, 5:30 P.M., Men's Graduate Center, Supper, to be followed by discussion of J. B. Phillip's *Honest To God*.

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday**, 9:00 A.M., Breakfast Seminars: "The Congregation in Mission," and "A Dialogue: Christianity and Culture." 6:15 P.M., Evening Prayer.

Two short courses, "What Is Religious Art?," led by Dr. John Dixon of the Religion and Art Departments of U.N.C., and "Biblical Faith and the Ethical Revolution," led by Dr. Thomas McCullough of the

Duke Religion Department, held their opening sessions last Sunday evening. The second sessions will be offered this evening, to be continued on Sunday, October 25 and November 1, at 7:15 P.M., at the Methodist Center. These courses will attempt to provide an introduction into two areas of the University curriculum. They are open to all members of the University community.

"Religious Art in Original Prints" will be on exhibit at the Methodist Center on Oregon Street until October 25. Outstanding examples of religious graphic art from the woodcuts of early books to the interpretations of the great contemporary artists are included in the exhibit. All prints in the exhibit may be purchased.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday**, 5:30 P.M., Westminster Vespers; 6:00 P.M., Smorgasbord; 6:30 P.M., "The Negro Community and the U. S. Election," led by Professor Robert Osborn.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, 5:30 P.M., at the home of Dr. and Mrs. Waldo Beach, 130 Pinecrest Road. After a brief business meeting and supper, Dr. Beach will speak on "Ethical Issues in the National Election." Transportation will leave the Chapel steps and the East Campus circle at 5:15 P.M. **Thursday**, 12:40 P.M., Luncheon at Gilbert-Addams.

Advance Announcement: **Sunday**, October 18: Fall Retreat at Umstead State Park. Transportation will leave from the usual places on West and East campuses at 9:30 A.M.

## LAWN CONCERT DUKE CONCERT BAND

The Department of Music will present a lawn concert by the Duke University Concert Band, Paul Bryan, conductor, on Sunday, October 11th at 2:30 p.m. under-the-clock on the West Quadrangle. The University Community and the general public are cordially invited. The program will be as follows:

March: "Stella Polaris" *Paul Koepke*  
Overture to "Mirella" *Gounod*  
Chorale Prelude: "Jesu, Joy of Man's Desiring"

*J. S. Bach*  
Bugler's Holiday *Leroy Anderson*  
The Three Freshmen: Messrs. Leach, Archer and Logan  
A Highball to Joe and Casey *Lyndon Mitchell*  
Begin the Beguine *Porter-Krance*  
One Month 'til Election

The People's Choice ("The Silver-Tongued Orator")  
*Douglas Moore*  
Star Spangled Spectacular ("The Yankee Doodle Boy")  
*Cohan-Cacavas*

America the Beautiful  
Duke Songs *Ward-Drakon*

## ORGAN RECITAL MILDRED L. HENDRIX

The first major organ recital of the year will be given by Mildred L. Hendrix, University Organist and Assistant Professor of Music, on Sunday, October 11th.



at four o'clock in the University Chapel. The public is extended a cordial invitation to attend this and subsequent concerts in the University Chapel without charge.

Mrs. Hendrix is well-known to music circles with her distinguished record of concerts, teaching, and accompanying. Her musical background begins with a BS degree in Music, Woman's College, University of North Carolina and continues with graduate work at the School of Sacred Music, Union Theological Seminary, New York City. Mrs. Hendrix has studied privately with many of the world's foremost organists including Dr. Clarence Dickinson, Aurelia Giorni, Alexander Kelberine, E. Power Biggs, Carl Weinrich, Arthur Poister, and Pierre Cochereau.

In addition to giving monthly recitals at Duke University Chapel, Mrs. Hendrix has appeared in numerous recitals in southeastern United States and has been largely responsible for much of the excellence of organ presentations in our area.

The program follows:

Graveyard Gems	
"Aria con Varazione"	<i>Giambattista Martini</i> (1706-1784)
"Adagio"	<i>Josef Hector Fiocco</i> (1699-17 )
"Flute Solo"	<i>Thomas Arne</i> (1710-1778)
Partita on "O Gott, du frommer Gott"	<i>J. S. Bach</i> (1685-1750)
"Sonata I"	<i>Paul Hindemith</i> (1895-1963)
Massig Schnell Sehr langsam Phantasie, frei Ruhig bewegt Pièce Héroïque	<i>César Franck</i> (1822-1890)

### LAW SCHOOL SPEAKER

The Duke Bar Association will present the second of its Speaker Program on Monday, October 12th, at 11:00 a.m. in the Law School Court Room. The guest speaker will be Mr. Eugene Patterson, editor of the "Atlantic Constitution," one of the South's leading newspapers. He is also a member of the Federal Commission on Civil Rights.

### BOTANY AND ZOOLOGY SEMINAR

The Botany and Zoology Departments will hold their weekly seminar on Monday, October 12th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. David S. Smith, Assistant Professor of Biology, University of Virginia, will speak on "Electron Microscopic Studies on Insect Flight Muscles." Coffee and tea will be served in the foyer at 4:00 p.m.

### DUKE UNIVERSITY CAMPUS CLUB MEETING

The first meeting of the Duke University Campus Club will be on Tuesday, October 13th at 3:00 p.m. in Hill House. The reception honoring Newcomers will have as its hostess department the College of Engineering with Mrs. Otto Meier, Jr. as chairman. At

this meeting members may sign up for study groups, pay dues and purchase tickets for the November luncheon.

### SOCIAL SCIENCE SEMINAR

The University Social Science Council announces a series of seminars on social science methodology designed for faculty and advanced graduate students in the departments of economics, history, political science and sociology-anthropology. The seminars are made possible with the cooperation of the Program in Comparative Studies on Southern Asia, the Populations Studies Program, and the International Relations Committee. The seminars will be held each month in two sessions. The first session in the evening will be a general lecture open to faculty members and graduate students who indicate their interest to the professor serving as chairman of the particular session. Participants may attend any one or several of the evening sessions. The second session of the seminar to be held on the afternoon of the following day will be limited to a designated group of participants.

Evening sessions will meet in Room 130 (auditorium) Sociology-Psychology Building, at 7:30 p.m. Afternoon sessions will be held at 3:30 p.m. in Room 234 Allen Building. The program for the first two sessions is announced below. Subsequent sessions will be announced in later issues of the University Calendar.

1. Tuesday and Wednesday, October 13 and 14, 1964  
Speaker: Dr. Paul Lazarsfeld, Quetelet Professor of Social Sciences, Columbia University  
Topic: Introductory Lecture on Social Science Methods  
Chairman: Professor Kurt Back  
Discussants: J. Williams, T. Gamelin
2. Tuesday and Wednesday, November 17 and 18, 1964  
Speaker: Dr. James Coleman, Professor of Sociology, Johns Hopkins University  
Topic: Application of Mathematical Models  
Chairman: Professor Kurt Back  
Discussants: G. Darroch, R. Saylor

### WOODROW WILSON FELLOWS RECEPTION

Woodrow Wilson Graduate Fellows and their wives and husbands are invited to a reception on Tuesday, October 13th, at 4:00-6:00 p.m. in the Sarah Duke Biddle and Alumnae Parlors, East Duke Building, East Campus. Interested administrative officers, department chairmen, directors of graduate studies, and faculty members are invited to attend.

### DUKE SAILING CLUB

The Duke Sailing Club will meet on Tuesday, October 13th at 7:00 p.m. in Room 101 West Duke Building. Mr. Meldau of Durham will speak on Catamaran sailing boats. All interested Duke students and faculty are cordially invited to attend.

### AN EVENING WITH IAIN HAMILTON

The Department of Music announces that as the opening program in the series, "An Evening with Iain Hamilton," Mr. Hamilton, Mary Duke Biddle

Professor of Music, will present a lecture entitled, "New Dimensions in Music: The Work of Karlheinz Stockhausen," on Tuesday, October 13th at 8:15 p.m. in the Music Room, East Duke Building.

Of this particular program Mr. Hamilton makes the following comments: "This programme will introduce many new aspects, dimensions and materials of music realised and exploited during the last ten years. There will be an introduction to such new fields as electronic music, musique concrete, the inclusion of any sound in a work, including pure noise, as well as vital new developments in the dimension of time. There will be several recorded examples of all such works and every opportunity will be afforded the audience to participate actively in discussion. This evening will deal with more iconoclastic and radical developments than any so far touched on in this series, and will endeavor to show the listener the serious intention behind so much of this new world of sound and music."

The members of the University Community and the general public are cordially invited to attend.

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#### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Pinckney Alston Steiner for the Ph.D. degree in Physics will be held on Wednesday, October 14th at 2:30 p.m. in Room 218 Physics Building. The subject of Mr. Steiner's dissertation is "Stark Effect Studies of  $\text{CH}_3\text{F}$ ,  $\text{CD}_3\text{F}$ ,  $\text{CH}_3\text{CN}$ ,  $\text{CD}_3\text{CN}$ ." The committee to conduct the examination consists of Professors Walter Gordy, Horst Meyer, Edward Bilpuch and F. G. Dressel. Professor Gordy will preside.

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#### WEST GALLERY ART EXHIBITION COLLAGES BY EDITH LONDON

The West Gallery in the Union Building will house a collage exhibition by Edith London during the period of October 11th through November 7th. Mrs. London, who came to Duke in 1939 when her husband, the late Dr. Fritz London joined the University's Physics Department, is known throughout the area as an artist of uncommon ability. She studied in her native Berlin and in Paris with the internationally esteemed artists, Marcel Gromaire and André Lhote. However, her art owes much to her own sensitive and thoughtful nature and to many years of perceptive seeing. Although her work is distinguished by its delicacy of color and texture, one cannot overlook the intellectual discipline of composition and form that underlies the more sensuous aspect of her style.

The exhibition is composed of twenty five collages, the majority having been created in the past year and evidencing her contemporary interest in the evocative and associative qualities of form, color, and texture in her use of this medium.

The exhibits in West Gallery are presented by the

Student Union's Fine Arts Committee and are open to the public without charge.

An exhibition preview and reception will be given to honor Mrs. London on Sunday afternoon, October 11th, during the hours of four to five thirty in the Gallery of West Union Building. Friends and admirers of the artist are cordially invited to attend.

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#### STUDENT UNION YOUNG ARTISTS SERIES SABICAS, FLAMENCO GUITARIST

The first of the Student Union's Young Artists Series will be a concert of the famed flamenco guitarist, Sabicas, hailed by many as king of the Spanish guitar. The Concert will be presented in Alice M. Baldwin Auditorium at 8:15 p.m. on Wednesday, October 14th and will be followed by an informal reception in the President's Room in the same building. Admission for Duke undergraduates (whose extra curricular activities fees finance the Student Union program) will be by presenting Duke University Identification Cards; all admission for students (graduates and primary and secondary) will be 50¢ and \$1.00 for general admission.

Sabicas is a prime example of musical phenomenon—a natural artist and a master of his instrument with his only teachers an ear with perfect pitch, an amazingly retentive mind, an innate rhythmic sense, the age-old traditions of his people, and a God given talent. For Sabicas is a Spanish Gypsy and to the Gypsy the spirit of music comes as naturally as eating, breathing life, or death.

As a young child in his native Andalusia, Sabicas grew up among the music, dance, and colorful ways of his people, the Gitanos. When Sabicas was five years old, he received his only lesson from an uncle who knew only two guitar chords. The boy played these two chords and soon began to learn more on his own; an artist was in the making. Three years later his mother, deciding the boy should have a more formal education, brought him before the best teacher in Pamplona who asked him to play. When the young Sabicas performed a fantastic run of notes on the guitar, the teacher accused them of trying to make fun of him and ran mother and prodigy from the house. This was the extent of his formal training. At the age of nine, Sabicas made his debut with the company of La Chelita at the El Dorado Theatre in Madrid. He later won first prize in a nationwide guitar competition and his professional career was launched.

Sabicas has not only brought to the flamenco guitar all the fire and excitement for which it is known; he has added something even more vital. He has broadened the range and scope of flamenco from folk to classic proportions. At his recent Town Hall concert, the New York Times described his performance saying, "Sabicas' mastery of his instrument was breathtaking . . . guitar playing of the very highest order."



## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Michael Stephen Patrick Lucas for the Ph.D. degree in Electrical Engineering will be held on Wednesday, October 14th at 2:00 p.m. in Room 132 Engineering Building. The subject of Mr. Lucas' dissertation is "The Effects of Surface Characteristics on The Conductivity of Gold Films." The committee to conduct the examination consists of Professors Charles R. Vail, John L. Artley, Harry A. Owen, Jr. and Jacques C. Poirier. Professor Vail will preside.

## PSYCHOLOGY COLLOQUIUM

The Department of Psychology will hold a Colloquium on Wednesday, October 14th at 4:00 p.m. in Room 130 Psychology-Sociology Building. The speaker will be Dr. John H. Flavell, Associate Professor of Psychology at the University of Rochester, Rochester, New York. His topic will be "Private Speech."

## APPLIED STATISTICS SEMINAR

There will be an organizational meeting of the Applied Statistics Seminar on Wednesday, October 14th, from 4:00 to 5:00 p.m. in Room 114 Physics. The speaker will be Dr. Marion R. Bryson and his topic will be "Some Applications of Statistics." All persons in the community interested in statistics are invited to attend. Coffee will be served from 3:30 to 4:00 in Room 120 Physics. Further information may be obtained from Dr. Donald S. Burdick, Extension 2321.

## KAPPA DELTA PI LUNCHEON

The first education luncheon of the fall semester will be held in the Men's Graduate Center at 12:30 p.m. on Thursday, October 15th. Dr. James Valsame, Director of In-service Education, State Department of Public Instruction, will discuss "North Carolina's In-service Education Program." The public is invited; no reservation is necessary.

## NEWCOMERS CLUB MEETING

A reception for Newcomers will be held at the home of Mrs. R. Taylor Cole, 7 Sylvan Road, on Thursday, October 15th from 3:00 to 5:00 p.m. Newcomers may pay their dues and receive a copy of the Newcomers Club Handbook at this meeting.

## PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, October 15th, at 4:00 p.m. in Room M-204. Dr. Bernard Belleau, University of Ottawa, Faculty of Pure and Applied Science, will speak on "The Elementary Process in Drug-Receptor Interactions."

## JOINT DUKE-U.N.C. PHYSICS COLLOQUIUM

The Joint Duke-U.N.C. Physics Colloquium will meet Wednesday, October 14th, at 3:00 p.m. in Room 114 Physics Building. The speaker will be Dr. Raymond Davis, Jr. of Brookhaven National Laboratory, Upton, Long Island, New York. His topic will be "Solar Neutrinos." Dr. Davis has pioneered in neutrino experiments. Though his early work at Yale was in physical chemistry and though he is in the Chemistry Department at Brookhaven, his specialty in recent years has been to apply physico-chemical techniques to the study of elementary particles, particularly neutrinos. Measurement of the solar neutrinos will most immediately affect the astrophysicists, who believe that they now have a good theory for the conversion of matter to energy in the sun.

## MEDICAL SYMPOSIUM

The "Nick" Carter Travel Club will meet October 16-17 in Page Auditorium. This is an obstetrical and gynecological society composed of men and women of the medical profession who have served as residents at Duke University Hospital under Dr. F. Bayard Carter. The group meets once a year. The entire program is open to the public. The Friday program, from 9:00 a.m. to 5:00 p.m. will be technical in nature while the Saturday program, from 9:00 to 11:00 a.m., will be of more general interest. The Saturday schedule is as follows:

- R. Gordon Douglas, Moderator  
9:00—World Population Growth and World Resources—Joseph J. Spengler, Ph.D. and John C. McKinney, Ph.D.  
9:20—Medical Education in an Expanding World—William G. Anlyan, M.D.  
9:40—Residency Training and the Specialty Boards, Present and Future—Carl Huber, M.D.  
10:00—Coffee  
10:20—History and Future Role of the Great Foundations in the Population Growth—Nicholson J. Eastman, M.D.  
10:40—The University and Federal Support—Roy Holly, M.D.

## DAD'S DAY PROGRAM

Dad's Day Weekend will begin Friday, October 16th with registration in Flowers Lounge. The annual Dad's Day Concert will be held Friday evening at 8:30 in Page Auditorium. The Concert Band will present a varied program ranging from Bach's "Jean, Joy or Man's Desiring" to "Begin the Beguine." Three freshman trumpeters will be featured. The Father and Son Banquet will precede the concert at 6:00 p.m. at which President Douglas Knight and Coach Carl James will speak. Saturday there will be a piano lunch, followed by the Duke-North Carolina State game at 2:00 p.m. Special football tickets will be available for Dads. "Peter, Paul and Mary" will give a concert at 6:30 p.m. in the Indoor Stadium. Dr. Creighton Lacy of the Divinity School will preach at the Service of Worship at the University Chapel Sunday morning completing Dad's Day Weekend events.

### SLIDE RULE LECTURE

The College of Engineering will hold its third Slide Rule Lecture on Thursday, October 15th, at 7:00 p.m. in Room 125 Engineering Building. Mr. Ralph Barnes of the Department of Electrical Engineering will discuss Combined Operations, using C, D, DI, CI, CF, DF, A, and B scales. He will use sample problems and examples and it is suggested that a slide rule be brought.

### STUDENT UNION MAJOR ATTRACTIONS FOR THE PH.D. DEGREE

The featured entertainment for Dad's Day Weekend will be a performance by the popular folk trio, "Peter, Paul and Mary" on Saturday, October 17th at 6:30 p.m. in the Indoor Stadium. Tickets are priced at \$2.50, \$2.00 and \$1.50 are available at the bus stop on West Quadraugle from 9:00 a.m. to 4:00 p.m. and at the Indoor Stadium Box Office following the game. Doors will be open at 5:30 p.m.

### DUKE RADIO PROGRAM

Duke University's weekly radio program, "Challenges in Education," may be heard in this area on Saturdays at 9:55 a.m. on WDNC in Durham and at 11:30 a.m. on WPTF in Raleigh. This week's feature is "Orgau Transplants." Dr. Barnes Woodhall, Vice Provost for Medical Affairs at Duke and Dr. Beruard Amos, Duke Immunologist, will discuss Duke's new program for transplanting kidneys and other vital organs.

### HILLEL FOUNDATION ANNOUNCEMENT

Anyone of the Jewish faith who is interested in associating themselves with the Hillel Foundation and is on the graduate or post-graduate level, please contact Dr. L. Bryskin at the V. A. Hospital, phone 286-1271, Extension 249 or 286 during the daytime or 682-2500 after 6:00 p.m.

### 1964-65 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates, with the exception of the BBC Symphony Orchestra Concert which will be held in the Indoor Stadium.

The 1964-65 Series is as follows:

LEONARD ROSE, Cellist	Monday, November 30
AMERICAN BALLET THEATRE	Thursday, December 10
THE GOLDOVSKY GRAND OPERA THEATRE	Friday, February 12
JOHN OGDON, Pianist	Thursday, February 18
BBC SYMPHONY ORCHESTRA	Tuesday, May 4

### CHAMBER MUSIC CONCERTS

The Chamber Arts Society announces the following six concerts for the 1964-65 season:

Saturday, October 31—Beaux Arts Trio  
Saturday, November 21—Hungarian Quartet  
Saturday, December 5—Drole Quartet (Berlin)  
Saturday, February 13—Pasquier Trio (Paris)  
Saturday, March 13—Juilliard Quartet  
Saturday, April 17—Fine Arts Quartet

These concerts will be held in the Music Room, East Duke Building, beginning at 8:15 p.m.

### ART LOAN COLLECTION

The Duke University Art Loan Collection is available for rent in Room 103 Asbury Building on Mondays through Fridays, between the hours of 9:00 a.m. and 5:00 p.m. The collection contains reproductions of contemporary art and also some originals. The pictures are rented for a semester; the rental fee to be paid in advance is \$3.00.

### STUDENT LOAN PICTURES

Student loan pictures will be available free of charge through the Department of Art in Room 103 Asbury Building from 9:00 a.m. until 5:00 p.m. on Mondays through Fridays. The pictures are framed for hanging and are reproductions of oil paintings, water colors, and etchings.

### ADVANCE NOTICE MUSIC DEPARTMENT CONCERT

The Department of Music will present a concert of "Music for Small Orchestra," Allan Bone, Conducting, with violinists, Giorgio Ciompi and Julia Mueller, and tenor, John Hanks, on Sunday, October 18th at 4:00 p.m. in Page Auditorium. Mr. Ciompi, Mrs. Mueller and Mr. Hanks are faculty members in the Department of Music. There will be no admission charge and the University community and the general public are cordially invited to attend. The program will be as follows:

Sonata for Chamber Orchestra, Opus 18	Richard Arnell
Serenade No. 7 ("Haffner")	Mozart
Andante	
Menuetto	
Adagio—Allegro assai	
Giorgio Ciompi, Solo Violin	
Phidylé	Duparc
John Hanks	
Intermission	
"Double" Concerto in D Minor	J. S. Bach
Vivace	
Largo ma non tanto	
Allegro	
Giorgio Ciompi and Julia Mueller	
Divertimento No. 2 (1961)	Vittorio Giannini
Allegro con brio	
Sostenuto	
Burlesca	





WEEK OF

Oct. 18-24, 1964

WEEK OF

Oct. 18-24, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, October 18

Denominational Meetings. See special notice.

- 9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Creighton Lacy, Professor of World Christianity, The Divinity School. Sermon: "Busy Here and There." Broadcast over Radio Station WDNC and WDNC-FM.  
1:00 p.m. Student Union Chess Club: Freshman Chess Tournament. Room 208 Flowers Building.  
3:30 p.m. International Open House. 2101 Campus Drive. (At 4:30) Speaker: Dr. William S. Bush.  
4:00 p.m. Music Department Concert: "Music for Small Orchestra." Page Auditorium.  
7:15 p.m. Film Forum: "Il Grido." Presbyterian Center.

### Monday, October 19

Fifth Annual Conference for Secondary School Counselors. (October 19-21)

- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204. Speaker: Dr. Alex B. Hope.  
4:00 p.m. Botany and Zoology Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. Stanley W. Greene.  
5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.

- 5:00-6:30 p.m. Faculty volleyball. Indoor Stadium.  
8:00 p.m. Allied Arts Program: Winchester Excavation Project. Room 204 East Duke. Speaker: Professor Louise Hall.

### Tuesday, October 20

- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Mr. Paul Bassett.  
3:30 p.m. Social Science Seminar. Room 234 Allen Building. Speaker: Dr. J. B. Nodnyl.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:00 p.m. Mathematics Colloquium. Room 114 Physics Building. Speaker: Professor Joseph A. Cima.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.  
8:00 p.m. Graduate Wives Club. Hill House. Speaker: Dr. Benjamin Powell.  
8:00 p.m. Society of The Sigma Xi. Biological Sciences Building. Speaker: Dr. Ewald W. Busse.

### Wednesday, October 21

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Charles Rice.  
11:00 a.m. Divinity School Lecture. York Chapel. Speaker: Dr. Eric Baker.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 4:00 p.m. Plant Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Mr. Paul Godfrey.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:30 p.m. Duke International Law Society. Rule of Law Center Library. Speaker: Professor Henry C. Lauerman.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "The Guest" with Alan Bates, Donald Pleasence, and Robert Shaw. Based on Harold Pinter's play "The Caretaker." "Awesome intimations of what sad, absurd things we mortals be. Raw drama . . . absorbing! Brilliant bone-deep acting!" Crowther, *N. Y. Times*. "One of the very best . . . a work of advanced art!" Winston, *N. Y. Post*.

## Thursday, October 22

- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Mr. Cliff Attkisson.
- 2:00 p.m. Physics Colloquium. 114 Physics Building. Speaker: Dr. Benjamin Lax.
- 4:00 p.m. Physiology and Pharmacology Seminar. M-204. Speaker: Dr. K. Frank.
- 4:00 p.m. Academic Council Meeting. Room 208 Flowers Building.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:00 p.m. Slide Rule Lecture. Room 125 Engineering Building. Speaker: Mr. Ralph Biggers.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. Student Union Young Artists Series: Ravi Shankar and Company of Musicians. Page Auditorium. Reception following in Flowers Lounge.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, October 23

- 10:10 a.m. Divinity School Chapel. York Chapel. Organ Recital: Mr. E. Franklin Bentel.
- 3:00 p.m. Final examination of Mr. Louis Mauarin for the Ph.D. degree in History. Room 231 Allen Building.
- 4:00 p.m. Psychology Colloquium. Room 130 Psychology-Sociology Building. Speaker: Dr. S. A. Barnett.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

- 6:30 p.m. Dinner for the American Association for the United Nations. Union Ballroom. Speaker: Dr. Arthur Larson.
- 7:30 p.m. Wesley Players Production: *Telemachus Clay*. Methodist Student Center.
- 8:15 p.m. Music Faculty Series: Trio Recital Music Room East Duke.

## Saturday, October 24

- 1:00 p.m. Varsity Football: Duke versus Army. West Point, New York. (Closed circuit TV, Indoor Stadium. Tickets at the Indoor Stadium Ticket Office, West Union Dope Shop, and at the door. Students \$1.00, general admission \$2.00)
- 7:30 p.m. Wesley Players Production: *Telemachus Clay*. Methodist Student Center.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "The Guest" with Alan Bates, Donald Pleasence, and Robert Shaw. Based on Harold Pinter's play "The Caretaker." "Awesome intimations of what sad, absurd things we mortals be. Raw drama . . . absorbing! Brilliant bone-deep acting!" Crowther, *New York Times*. "One of the very best . . . a work of advanced art!" Winston, *New York Post*.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Creighton Lacy, Professor of World Christianity, The Divinity School, will deliver the sermon at the University Service of Worship on Sunday, October 18th, at 11:00 a.m. in the University Chapel. His subject will be "Busy Here and There." The order of service follows:

The Reverend Howard C. Wilkinsou, Chaplain to the University, Presiding Minister.

Mr. Thomas S. Evans, President, Y.M.C.A., Lector.

Opening Organ Voluntary—Fantasia in G *J. S. Bach*  
 Sheep May Safely Graze *J. S. Bach*  
 Call to Worship—"The Lord is in His Holy Temple"

Hymn—"God of Our Fathers" *George W. Warren*

Prayers of Confession and for Pardon  
 Words of Assurance

The Lord's Prayer  
 Anthem—"Gloria in Excelsis" *Mozart*

Scripture—I Kings 20:35-42  
 Hymn—"A Charge to Keep I Have" *Lowell Mason*

Call to Prayer  
 Prayer of thanksgiving  
 Petitions for Others and Ourselves  
 The Offering

Offertory Organ Interlude  
 Anthem—"O Father, Whose Almighty Power"  
 from Judas Maccabaeus *Handel*  
 Response—The Doxology

Prayer of Dedication  
 Sermon—"Busy Here and There"  
 Prayer  
 Benediction  
 Choral Response—"Sevenfold Amen"  
 The Chimes  
 Closing Organ Voluntary—Fugue in Eb (the St. Anne)

The preacher who is scheduled to deliver the sermon at the October 25th service will be The Reverend Dr. Eugene L. Smith, Executive Director of the World Council of Churches.

## DENOMINATIONAL MEETINGS

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday**, 9:30 A.M., Rides leave for local churches. Coffee and donuts will be served prior to departure. 7:15 P.M., Film Forum at the Presbyterian Center. **Thursday**, 12:15 P.M., Graduate Student-Faculty Luncheon. Professor Waldo Beach will speak on "Civil Rights and the Election," the second in a series of discussions on the theme, "The Christian Conscience and the National Election." Discussion adjourns prior to 2:00 P.M. All interested persons are cordially invited to attend.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday**, 9:15 A.M., Holy Communion (Chapel of St. Michael); 7:15 P.M., Film Forum at the Presbyterian Center. **Tuesday**, 6:00 P.M., Seminar on C. S. Lewis (led by the Chaplain at the Episcopal Center). **Wednesday**, 7:10 A.M., Holy Communion. **Thursday**, 5:30 P.M., Holy Communion.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, 6:45 P.M., Meet in the Green Room of East Duke Building to go as a group to the Film Forum. **Monday**, 5:30 P.M., Men's Graduate Center, Supper, followed by discussion of Tennessee Williams' **Suddenly Last Summer**.

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday**, 9:00 A.M., Snack breakfast followed by Seminars: "The Congregation in Mission" and "A Dialogue: Christianity and Culture." 6:15 P.M., Evening Prayer. 7:15 P.M., Film Forum at the Presbyterian Center.

The Sunday evening short courses will not meet tonight but will continue as follows: "Biblical Faith and Ethical Revolution" on October 25 and November 1; "What Is Religious Art?" on November 1 and 15.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday**, 6:30 P.M., Westminster Vespers; 7:15 P.M., Film Forum.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, The UCCF will meet today at Umstead State Park for a Fall Retreat on the theme, "Christianity and Politics." Students who did not get to the morning session of the retreat will be welcome for lunch and the afternoon discussion. **Thursday**, 12:40 P.M., Luncheon at Gilbert-Addoms.

## ADVANCE NOTICE

### CEREBRAL PALSY FOOTBALL CLASSIC

The twelfth Annual Cerebral Palsy Football Classic between Duke's Blue Imps and the University of North Carolina's Tar Babies will be sponsored again this year by the Durham Cerebral Palsy Foundation and the Durham Junior League on November 7th in the Duke Stadium. Kickoff time for the game will be at 2:00 p.m. Tickets will cost \$1.00 during advance sales and \$1.50 at game time.

In addition to exciting freshman football, there will be a drawing at the half for a 1965 Mustang to be awarded to the lucky ticket holder.

## INTERNATIONAL OPEN HOUSE

There will be an International Open House on Sunday, October 18th, at 2101 Campus Drive. The Open House will begin at 3:30 p.m. and at 4:30, Dr. William S. Bush, Department of Romance Languages, will discuss "The Limitations of the American Intellectual." Interested members of the University Community are cordially invited. Light refreshments will be served.

## MUSIC DEPARTMENT CONCERT: "MUSIC FOR SMALL ORCHESTRA"

The Department of Music will present a concert of "Music for Small Orchestra," Allan Bone, Conducting, with violinists, Giorgio Ciompi and Julia Mueller, and tenor, John Hanks, on Sunday, October 18th at 4:00 p.m. in Page Auditorium. Mr. Ciompi, Mrs. Mueller and Mr. Hanks are faculty members in the Department of Music. There will be no admission charge and the University community and the general public are cordially invited to attend. The program will be as follows:

Sonata for Chamber Orchestra, Opus 18	Richard Arnell
Serenade No. 7 ("Haffner")	Mozart
Andante	
Menuetto	
Adagio—Allegro assai	
Giorgio Ciompi, Solo Violin	
Phidylé	Duparc
John Hanks	
Intermission	
"Double" Concerto in D Minor	J. S. Bach
Vivace	
Largo ma non tanto	
Allegro	
Giorgio Ciompi and Julia Mueller	
Divertimento No. 2 (1961)	Vittorio Giannini
Allegro con brio	
Sostenuto	
Burlesca	

## FILM FORUM

The Campus Christian Centers will present a Film Forum—four quality films to be shown at 7:15 p.m. on Sundays, October 18th, November 15th, 22nd, and December 6th. The first showing, an Italian film entitled **Il Grido**, will be seen at the Presbyterian Center. The Methodist Center will host the remaining showings: Arthur Miller's **The Crucible**, **The Night of the Hunter**, and a documentary, **The Quiet One**. Coffee and informal discussion will follow each film. Admission is free, and all interested persons are invited.

## FIFTH ANNUAL CONFERENCE FOR SECONDARY SCHOOL COUNSELORS

The Fifth Annual Conference for Secondary School Counselors will be held on the Duke Campus from Monday, October 19th through Wednesday, October 21st. Several programs have been arranged to permit the counselors to become familiar with the undergraduate program of studies at Duke. Included in the list of functions will be a dinner meeting at which the opening address will be given by Dr. Paul Gross, William Howell Pegram Professor of Chemistry.



Tuesday's program will feature the discussion sessions on **Humanities and the Social Sciences; The Sciences, Engineering and Nursing; and A Student Panel on Co-Curricula Activities** with Dean M. Margaret Ball. On Wednesday morning there will be a general discussion of the financial aid procedures followed by a closing luncheon at which Dean James L. Price, Jr., Trinity College, will be the speaker.

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### PHYSIOLOGY AND PHARMACOLOGY SEMINARS

The Department of Physiology and Pharmacology will hold two seminars this week. The first will be on Monday, October 19th at 4:00 p.m. in Room M-204. The speaker will be Dr. Alex B. Hope, University of East Anglia, England. His topic will be "Ion Fluxes and Electric Currents in Membrane of Nitella." The second seminar will be on Thursday, October 22nd at 4:00 p.m. in Room M-204. Dr. K. Frank, Associate Director of Intramural Research, National Institute of Neurological Diseases and Blindness, Bethesda, Maryland, will speak on "Voltage Clamp Experiments on Nerve Cells."

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### BOTANY AND ZOOLOGY SEMINAR

The Botany and Zoology Departments will hold their weekly seminar on Monday, October 19th, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Stanley W. Greene, Lecturer in Botany at the University of Birmingham and Research Supervisor in Botany, British Antarctic Survey will speak on "Botanical Studies in Antarctica."

Dr. Greene received his training at Trinity College, Dublin, after which he spent four years as Research Collaborator with Professor Paul Richards, at University College, North Wales. He is currently on leave from the University of Birmingham and is at the New York Botanical Garden, where he is collaborating with William C. Steere on a bryophyte flora of Antarctica. He spent the summer of 1960-1961 in South Georgia, and in January he leaves for McMurdo Sound for his second collecting season in Antarctica.

Refreshments will be served in the foyer at 4:00 p.m.

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### WINCHESTER EXCAVATIONS PROJECT

Members of the University Community are invited to hear Professor Louise Hall in an illustrated talk on "Duke and U.N.C. at the Winchester Dig" at 8:00 p.m. on Monday, October 19th, in Room 204 East Duke Building. The lecture is presented under the auspices of the Durham Art Guild of Allied Arts.

Miss Hall, Professor of Architecture, was one of the Winchester Excavations members who worked on the project during the past summer with Professor and Mrs. John M. Schnorrenberg from U.N.C. and with Professor K. M. Banham and Miss Florence E. Blakely from Duke University.

The systematic digging at Winchester, a royal, educational and marketing community, the ancient capital of all England, has combined a municipal redevelopment program with prior archaeological investigation of the areas to be rebuilt. The coordinated program, which is directed by Mr. Martin Biddle of the Department of History, University of Exeter, is expected to continue through 1970.

Last Spring, funds, raised through the University of North Carolina, Duke University and the American Council of Learned Societies, augmented support of this project, assuring American participation in the Winchester Excavation during a ten-week season this past summer. Some sixty American students and faculty representatives paid their own way to and from Winchester to work alongside professional and amateur archaeologists from Norway, Sweden, Denmark, Germany, and France, as well as the United Kingdom.

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### SOCIAL SCIENCE SEMINAR

The second in the series of seminars to be presented by the University Social Science Council will take place on Tuesday, October 20th at 3:30 p.m. in Room 234 Allen Building. Dr. J. B. Nodnyl, associate professor of Political Science at the University of Texas and one time politician will speak on "Political Anachronisms and Anarchists." All faculty members and graduate students are invited to attend. Refreshments will be served.

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### MATHEMATICS COLLOQUIUM

The Mathematics Department will hold a colloquium on Tuesday, October 20th, at 4:00 p.m. in Room 114 Physics Building. Professor Joseph A. Cina of the University of North Carolina, will speak on "Boundary Behavior of Normal Functions." The talk will be preceded by tea and coffee at 3:30 p.m. in Room 120 Physics Building.

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### GRADUATE WIVES CLUB

The Graduate Wives Club will hold its first meeting of the year on Tuesday, October 20th at 8:00 p.m. at Hill House. Dr. Benjamin Powell, University Librarian, will be the speaker. Graduate wives and graduate women are invited to attend.

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### SIGMA XI LECTURE

"Physiological and Behavioral Changes in the Aging Person" is the topic to be discussed by Dr. Ewald W. Busse at the first lecture of the season for The Society of The Sigma Xi. Dr. Busse is Professor of Psychiatry and Chairman of the Department of Psychiatry. He will present experimental data to support his conclusions and will also identify some of the interesting changes that can be expected during the life span. The meeting will be held at 8:00 p.m. on Tuesday, October 20th, in the Biological Sciences Building. The public is cordially invited.

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### **DIVINITY SCHOOL LECTURE**

The Reverend Dr. Eric Baker of London, Secretary of the Methodist Conference in Great Britain, will speak in York Chapel, The Divinity School, on Wednesday, October 21st, at 11:00 a.m. His subject will be "The Anglican-Methodist Discussion on Possible Union." The University Community and public are invited.

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### **PLANT ECOLOGY SEMINAR**

There will be a Plant Ecology Seminar on Wednesday, October 21st, at 4:00 p.m. in Room 144 Biological Sciences Building. Mr. Paul Godfrey, graduate student in Botany, will speak on "Alpine Tundra in the Wind River Range of Wyoming and its Relationship to the Rocky Mountain Alpine Regions."

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### **DUKE INTERNATIONAL LAW SOCIETY**

Professor Henry C. Lauerman of the Wake Forest Law School will present the second in a series of eight informal lectures on public international law sponsored by the Duke International Law Society. On Wednesday, October 21st at 7:30 p.m. in the Rule of Law Center Library (Law School), Professor Lauerman will discuss "The Law of Treaties." The University Community is invited to attend both the seminar and the coffee hour that will follow.

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### **PHYSICS COLLOQUIUM**

A special Physics Colloquium will be given by Dr. Benjamin Lax on Thursday, October 22nd, in Room 114 Physics Building, at 2:00 p.m. Dr. Lax is Director of the National Magnet Laboratory and Associate Director of Lincoln Laboratory, Massachusetts Institute of Technology. He will speak on "Modern Magneto Spectroscopy."

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### **ACADEMIC COUNCIL MEETING**

The regular monthly meeting of the Academic Council for October is scheduled for 4:00 p.m. Thursday, October 22nd in Room 208 Flowers Building. The principle item on the agenda will be a talk by Vice President Frank Ashmore on the topic, "Advancement Program: Progress Report." Members who are unable to attend are asked to give advance notice to the Secretary (Extension 2214; 136 Engineering).

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### **SLIDE RULE LECTURE**

The College of Engineering will hold its fourth Slide Rule Lecture on Thursday, October 22nd in Room 125 Engineering Building at 7:00 p.m. Mr. Ralph Biggers, graduate student in Mechanical Engineering, will speak on the "Use of S, T, and ST Scales." It is suggested that a slide rule be brought to the lecture.

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### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Louis Manarin for the Ph.D. degree in History will be held on Friday, October 23rd at 3:00 p.m. in Room 231 Allen Building. The subject of Mr. Manarin's dissertation is "Lee in Command: Strategical and Tactical Policies." The committee to conduct the examination consists of Professors Robert H. Woody, I. B. Holley, Jr., Theodore Ropp and Hugh Hall. Professor Woody will preside.

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### **PSYCHOLOGY COLLOQUIUM**

The Department of Psychology will hold its weekly colloquium on Friday, October 23rd, in Room 130 of the Psychology-Sociology Building at 4:00 p.m. Dr. S. A. Barnett, a member of the Zoology Department at the Glasgow University in Scotland, will speak on "Social Stress in Wild Rats."

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### **AMERICAN ASSOCIATION FOR THE UNITED NATIONS DINNER**

A special observance of United Nations Day will be jointly sponsored by Durham's Mayor's Committee and the Duke University Collegiate Chapter for the United Nations. Invitations to a Dutch dinner in Duke University's Union Ballroom on the West Campus, at 6:30 p.m. on the eve of United Nations Day—Friday, October 23—have been extended. Mayor and Mrs. R. W. Grabarek, Dr. and Mrs. Arthur Larson, Co-Chairmen for United Nations Day, with a committee of distinguished citizens, will welcome guests. Following dinner, Dr. Arthur Larson will speak on "The United Nations: An Effective Instrument for Peace." Dr. Larson is the director of the Rule of Law Research Center at Duke, a member of the National Board of the United Nations Association, and has recently been appointed consultant to the President on major international problems.

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### **STUDENT UNION YOUNG ARTISTS SERIES PRESENTS INDIA'S SITARIST AND COMPOSER RAVI SHANKAR**

Ravi Shankar, internationally known virtuoso and composer from India, will be presented in the second concert of the Student Union's Young Artists Series on Thursday, October 22nd in Page Auditorium at 8:15 p.m. Tickets will be available on the night of the performance at Page Box Office which will open at 6:30 p.m. The auditorium will be opened at 7:30 for the performance. Seating will be unreserved. Admission policy: for Duke undergraduates—the presenting of ID cards; for all other students—50¢; for the general public—\$1.00.

Often called "India's Man-of-Music," Ravi Shankar is classed with the greatest virtuosos of the world. He was chosen—with Casals, Oistrakh and Ansermet—for the International Broadcast to celebrate the 10th Anniversary of the United Nations and—with



Menuhin and Oistrakh—for some of the most important International Music Congresses. A virtuoso on India's favorite instrument, the sitar, (a 700 year old member of the lute family) he gained a following greater than many world-famous violinists and pianists on a previous tour of the U. S. and his dazzling performances won the devotion, even of the jazz-buffs. As composer, he has provided scores for ballet and opera and has won most of the international prizes for his film-scores.

Mr. Shankar will be assisted by the great improvising composer and virtuoso, Alla Rakha, often called "India's greatest drummer," performing on the North Indian double-drums, the Tabla. The indispensable Tamboura, a drone instrument, will be played by Nodu Mullick.

Ravi Shankar's group, representing the centuries-old ancestor of all chamber music, is brought to the United States by the Asia Society Performing Arts Program and is presented at Duke by the Student Union Fine Arts Committee assisted by the Duke Program in Comparative Studies on Southern Asia.

#### WESLEY PLAYERS PRODUCTION

Wesley Players presents a staged reading of **Telemachus Clay**, a collage for voices, by Lewis John Carlino, at 7:30 p.m. on Friday, October 23rd and Saturday, October 24th at the Methodist Student Center on Oregon Street. Admission will be \$.50. In this "experimental drama," the playwright has successfully moved the action of the play from the stage into the audience. The viewer no longer sees a play; he becomes the other to whom each word of dialogue is spoken. The work has been described in reviews as follows: "The work . . . is one of the most interesting new theatre forms to appear in some time—one that should not be missed by anyone serious about drama." *N. Y. Post*. "It seems to be drawn honestly out of personal experience . . . it erupts into something wild and wonderful . . . **Telemachus Clay** contains solid evidence of talent and an admirable ambition to deal with human experience in larger-than-life terms." *Saturday Review*.

#### MUSIC FACULTY SERIES: TRIO RECITAL

The first of the 1964-65 series of Faculty recitals will present guest artists Luca Di Cecco, cellist, and Virginia Andrews, pianist, with Allan Bone, clarinetist. Both guest participants are members of the School of Music at Converse College, Spartanburg, South Carolina. Conductor of the Duke Symphony Orchestra and Chairman of the Department of Music, Professor Bone is well known to the Southeastern Region as a clarinetist.

Luca Di Cecco has held important appointments as a chamber music specialist. He was recipient of a Fulbright Award in 1958 for study in Rome. In the same year he was a performing member of the Pablo Casals' Master Courses in Zermatt, Switzerland. In

the summer of 1959, he was engaged by Gian Carlo Menotti, Director of the Festival of Two Worlds in Spoleto, Italy to participate with the Kroll String Quartet and the Philadelphia Woodwind Quintet in chamber music recitals. In 1961-62 he was cellist in the South African Broadcasting Corporation's String Quartet and was principal cellist of the Rota Opera Company, Johannesburg, South Africa. As Cellist-in-Residence at Converse College, he enjoys a busy off-campus schedule of recital appearances which this year includes three concerts at the Gardner Museum in Boston and an appearance in the Phillips Gallery in Washington, D.C. Mr. Di Cecco received his B.M. and M.M. degrees from Indiana University and has held teaching appointments at the University of New Hampshire and Illinois Wesleyan University before joining the Converse College faculty.

Virginia Gore Andrews is held in high regard as a member of the piano faculty of Converse College where she specializes in chamber music participations.

The recital will be held in the Music Room, East Duke Building, on Friday, October 23rd, at 8:15 p.m. The public is cordially invited to attend.

The program follows:

Trio in B-flat Major, Opus 11	Beethoven
Allegro con brio	
Adagio	
Tema con variazione	
	Mr. Bone
	Mr. Di Cecco
	Mrs. Andrews
Sonata, Opus 6	Samuel Barber
Allegro ma non troppo	
Adagio—Presto—Adagio di nuovo	
Allegro appassionato	
	Mr. Di Cecco
	Mrs. Andrews
Trio in A Minor, Opus 114	Brahms
Allegro	
Adagio	
Andante grazioso	
Allegro	
	Mr. Bone
	Mr. Di Cecco
	Mrs. Andrews

#### PRINT AND DRAWING SOCIETY MEETING

Members of the University Community are invited to the meeting of the Print and Drawing Society of North Carolina on Sunday, October 18th at 3:30 p.m. at the North Carolina Museum of Art in Raleigh, to examine closely a collection of 70 original copper plates and 70 proofs etched by Rembrandt, greatest etcher in all history.

This collection, secured in a thrilling "cloak and dagger" fashion by a prominent North Carolina art collector, will be removed from the museum's vaults for close study. Owners of etchings by Rembrandt may be interested in bringing their own works in for comparison with the plates and various proofs at the museum.

For further information or for membership requirements, please write to the Print and Drawing Society, 1216 Woodburn Road, Durham, N. C.

## DUKE RADIO PROGRAM

Duke University's weekly radio program, "Challenges in Education" may be heard in this area on Saturdays at 9:55 a.m. on WDNC in Durham and at 11:30 a.m. on WPTF in Raleigh. This week's feature is "Food at the University." Mr. Ted Minah, Director of Dining Hall Operations will discuss the important role that food plays in university life.

## ROSA B. WEINSTEIN MEMORIAL LECTURES ON RELIGION DR. MORDECAI M. KAPLAN

The Duke Hillel Society, in co-operation with the B'nai B'rith Hillel Foundation of U.N.C., presents the Second Annual Rosa B. Weinstein Memorial Lecture on Religion. The Fall lecturer will be Dr. Mordecai Kaplan speaking on "The Meaning of God for the Modern Jew." Dr. Kaplan will speak at Howell Hall Auditorium in the School of Journalism Building on the University of North Carolina campus. The lecture will be Tuesday evening, October 20th at 8:00 p.m. There is no admission charge and the public is invited.

Dr. Kaplan founded the Society for the Advancement of Judaism in New York City where he served for many years as the Rabbi. In 1935 he founded the Jewish Reconstructionist Movement. For over half a century he has served with great distinction on the faculty of the Jewish Theological Seminary of America. He has held the Chair of the Philosophies of Religion there since 1946, and prior to that time served as Dean of Teachers Institute of the Seminary and as Professor Homiletics.

## RECREATIONAL USE OF DUKE FOREST

Members of the University Community are invited to make use of the Duke Forest for recreational purposes.

The Forest rules, which are strictly enforced, are:

- (1) No fires of any kind are permitted on the Forest at any time except in the grills at the four improved picnic sites.
- (2) Cars, motorcycles and motor scooters are *not* allowed within the Forest or on Forest roads except at the four improved picnic sites.
- (3) Gates must *not* be blocked at any time. The roads are for emergency use as well as normal access in the operation of the Forest.
- (4) No trees, brush or grasses may be cut, scarred, or in any way mutilated as such damage will destroy research projects.
- (5) Hunting or shooting of fire arms and air rifles are not permitted.

The foregoing rules are to protect the large investment in time, money, and human energy on research projects established within the Duke Forest.

Recreational use of the forest in the form of hiking, picnicking, and fishing is permitted as long as the five Forest rules are not violated. Keys to the improved picnic sites may be checked out and the sites reserved at the Duke Forest Office in the Biological Sciences Building, West Campus. There is no charge for the use of the improved picnic sites.

## ART EXHIBITIONS

### EAST GALLERY: VERNON PRATT WEST GALLERY: EDITH LONDON

From October 17th to November 15th the Gallery in the East Campus Library will house an exhibition of paintings and drawings by Vernon Pratt. Mr. Pratt, who has joined the staff of the Duke Art Department to conduct its program of studio courses, is a former resident of Durham and a Duke undergraduate. He holds the B.F.A. and M.F.A. degrees from the San Francisco Art Institute.

As will be readily evident to visitors to the exhibition, Mr. Pratt's work reflects a recent tendency on the part of west coast painters to return to figurative representation in their art. Leaders of this group include James Weeks, Richard Diebenkorn, and Elmer Bischoff, with all of whom Mr. Pratt has studied.

Lest it be thought that the readily recognizable subject matter of Mr. Pratt's paintings is a survival of a more traditional kind of painting, it should be borne in mind that the entire west coast figurative school is a post-abstract expressionist movement. These painters have returned to figure painting after having explored and absorbed the technical and expressive enrichments that their earlier abstract styles developed. It is within this immediate tradition that one places Mr. Pratt's vibrant, vital, and intensely painterly works. However, the art historically inclined viewer will not fail to recognize other earlier sources for various aspects of Mr. Pratt's manner. In fact the continuity and the metamorphosis of the Western figurative tradition receive a profound exposition in Mr. Pratt's work.

The West Gallery in the Union Building is now showing a collage exhibition by Edith London of the Department of Art. The exhibition is composed of twenty-five collages, the majority having been created in the past year and evidencing her contemporary interest in the evocative and associative qualities of form, color, and texture in her use of this medium.

The exhibits in West Gallery are presented by the Student Union's Fine Arts Committee and those in the East Gallery are presented under the auspices of the Department of Art. Both exhibit areas are open to the public without charge.

## 1964-65 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates, with the exception of the BBC Symphony Orchestra Concert which will be held in the Indoor Stadium.

The 1964-65 Series is as follows:

LEONARD ROSE, Cellist	Monday, November 30
AMERICAN BALLET THEATRE	Thursday, December 10
THE GOLDOVSKY GRAND OPERA THEATRE	Friday, February 12
JOHN OGDON, Pianist	Thursday, February 18
BBC SYMPHONY ORCHESTRA	Tuesday, May 4





WEEK OF  
Oct. 25-31, 1964

# CALENDAR

WEEK OF  
Oct. 25-31, 1964

## OF DUKE UNIVERSITY



### Events of the Week

#### Sunday, October 25

Denominational Meetings. See special notice.

- 9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Eugene L. Smith, Executive Secretary, World Council of Churches. Broadcast over Radio Station WDNC and WDNC-FM.  
2:00 p.m. Student Union Chess Club Tournament. Room 208 Flowers Building.  
3:30 p.m. International Open House. 2101 Campus Drive. (At 4:30 p.m.) Speaker: Dr. Juan R. Castellano.  
8:00 p.m. Seminar on the American Presidency. Music Room, East Duke Building. Speaker: Dr. Robert Rankin.

#### Monday, October 26

- 2:00 p.m. Registration for Christian Convocation and James A. Gray Lectures. Flowers Lounge. (See special notice for all sessions)  
3:30 p.m. Final Examination of Mr. Stanley A. Nicholson for the Ph.D. degree in Economics. Room 302 Social Science Building.  
3:30 p.m. Final Examination of Mr. James Hart for the Ph.D. degree in English. Room 128 Building 9.  
4:00 p.m. Chemistry Seminar. Room 01 Chemistry Building. Speaker: Dr. Ronald M. Milburn.

- 4:15 p.m. Zoology and Botany Seminar. Auditorium of the Biological Sciences Building. Speaker: Dr. Edward R. Baylor.  
5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.  
5:00-6:30 p.m. Faculty volleyball. Indoor Stadium.  
8:00 p.m. Seminar on the American Presidency. Music Room, East Duke Building. Speakers: Mrs. Violet Wourfel, Dr. Robert Durden, and Mr. Robinson Everett.  
8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

#### Tuesday, October 27

- 11:30 a.m. College of Engineering Guest Speaker Program. Auditorium of the Engineering School. Speaker: Dr. A. D. Moore.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:00 p.m. Mathematics Colloquium. Room 114 Physics Building. Speaker: Dr. Richard E. Chandler.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:30 p.m. Cabot Society Meeting. Men's Graduate Center. Speaker: Dr. Angus McBryde.  
5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.  
8:45 p.m. Political Rally. Page Auditorium. Speaker: Governor Terry Sanford.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



## Wednesday, October 28

- 12:30 p.m. Faculty Club Luncheon. Union Ballroom. Speaker: Dean Latty.
- 4:00 p.m. Plant Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Dr. Hal Mooney.
- 4:00 p.m. Phi Beta Kappa Fall Elections. Room 110 Divinity School.
- 4:00 p.m. Psychology Colloquium. Room 130 Psychology-Sociology Building. Speaker: Dr. E. K. Beller.
- 4:00 p.m. Applied Statistics Seminar. Room 114 Physics Building. Speaker: Dr. H. H. Winsborough.
- 4:00 p.m. Joint Duke-U.N.C. Physics Colloquium. Room 265 Phillips Hall, University of North Carolina. Speaker: Dr. Norwood Russell Hanson.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 6:15 p.m. Trinity College Historical Society. Men's Graduate Center. Speaker: Dr. James H. Brewer.
- 7:00 p.m. Slide Rule Lecture. Room 125 Engineering Building. Speaker: Mr. Warren Seagraves.
- 7:00 p.m. Duke International Law Society. Law School. Speaker: Professor Kenneth L. Penegar.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 p.m. **ONLY** Quadrangle Pictures. Page Auditorium. "El Cid" with Charlton Heston and Sophia Loren. The story of Spain's immortal hero of the 11th century. In technicolor and cinemascope.
- 8:15 p.m. Classical Studies Lecture. Room 130 Psychology-Sociology Building. Speaker: Professor P. H. J. Lloyd-Jones.

## Thursday, October 29

- 10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Mr. John R. Himes.
- 3:00 p.m. Final Examination of Mr. David Paul Roselle for the Ph.D. in Mathematics. Room 219 Physics Building.
- 4:00 p.m. Art Lecture. Room 204 East Duke Building. Speaker: Dr. Bates Lowry.
- 4:15 p.m. Physiology and Pharmacology Seminar. Room M-110. Speaker: Dr. J. Pappenheimer.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30 p.m. Student Union Distinguished Visitors Series: Dr. Carl-Christoph Schweitzer. Auditorium of Sociology-Psychology Building.
- 7:30 p.m. Young Republicans Club Meeting. Page Auditorium. Speaker: Mr. Robert Gavin.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty

children will be admitted only when accompanied by their parents.

- 8:30 p.m. Graduate English Club Meeting. Room 208 Flowers Building. Speaker: Professor Wallace Fowlie.

## Friday, October 30

Homecoming Schedule:

- 9:00 a.m. Alumni Registration. Alumni Lounge. See special notice for all sessions.
- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Professor Egil Grislis, Celebrant.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

## Saturday, October 31

- 9:55 a.m. Duke Radio Program "Challenges in Education." Broadcast over radio station WDNC, Durham.
- 11:30 a.m. Duke Radio Program "Challenges in Education." Broadcast over radio station WPTF in Raleigh.
- 2:00 p.m. Varsity football: Duke versus Georgia Tech. Stadium.
- 6:30 p.m. Student Union Major Attraction: Bob Newhart and Peter Nero. Indoor Stadium.
- 7:00 p.m. **ONLY**. Quadrangle Pictures. Page Auditorium. "El Cid" with Charlton Heston and Sophia Loren. The story of Spain's immortal hero of the 11th century. In technicolor and cinemascope.
- 8:00 p.m. International Club Halloween Party. 2101 Campus Drive.
- 8:15 p.m. Chamber Arts Society: Beaux Arts Trio. Music Room East Duke.

## UNIVERSITY SERVICE OF WORSHIP

The Reverend Doctor Eugene L. Smith, Executive Secretary of the World Council of Churches, will deliver the sermon at the University Service of Worship on Sunday, October 25th, at 11:00 a.m. in the University Chapel. The order of service follows:

The Reverend Howard C. Wilkinson, Chaplain to the University, Presiding Minister.

Miss Ann Rowe, Associate Director of Religious Activities, Lector.

Opening Organ Voluntary—Prelude & Fugue in E minor

*J. S. Bach*

Pastorale

*J. S. Bach*

Choral Call to Worship—"The Lord is in His Holy Temple"

*Harrington*

Hymn of Adoration—"Joyful, Joyful, We Adore Thee"

*Beethoven*

Prayers of Confession and For Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Look Down O Lord"

*Byrd*

Scripture Lesson  
Hymn—"We Bear the Strain of Earthly Care" *Carl G. Glazer*  
Call to Prayer  
Prayer of Thanksgiving  
Petitions for Others and Ourselves  
The Offering

Offertory Organ Interlude  
Anthem—"And the Glory of the Lord" (from the *Messiah*)  
*Handel*

Response—The Doxology  
Prayer of Dedication  
Sermon—Dr. Eugene L. Smith  
Prayer  
Benediction  
Choral Response—"Sevenfold Amen" *Stainer*  
The Chimes  
Closing Organ Voluntary—Toccata on "O Filii et Filiae"  
*Farnam*

The preacher who is scheduled to deliver the sermon at the November 1st service will be the Reverend Dr. Howard C. Wilkinson, Chaplain to the University and Director of Religious Activities.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday**, 9:30 A.M., Rides leave for local churches. Coffee and donuts will be served prior to departure. **Friday**, 5:30 P.M., Supper Forum: Worship, supper and discussion. Discussions on "Christian Faith and Secularism" led by Dr. Thomas McCollough, and "The Moral Crisis in America" led by Chaplain Bob Hyatt.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday**, 9:15 A.M., Holy Communion. **Monday**, 8:15 P.M., Training sessions for Lay Readers and Acolytes. **Tuesday**, 6:00 P.M., Seminar on the writings of C. S. Lewis. **Wednesday**, 7:10 A.M., Holy Communion. **Thursday**, 5:30 P.M., Holy Communion. **Friday**, 8:00 P.M., Seminar on Orthodoxy.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, 6:30 P.M., Buffet supper at Chaplain Patton's home, 944 Lambeth Circle. Discussion will follow on "A Christian's Approach to Politics." **Monday**, 5:30 P.M., Men's Graduate Center, Supper followed by discussion of Tennessee Williams' *Suddenly Last Summer*.

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday**, 9:00 A.M., Breakfast-Seminars, "The Congregation in Mission," and "A Dialogue: Faith and Culture"; 5:30 P.M., Common Meal and Worship. The University Community is invited. There will be a charge of 50¢ for the meal. 7:15 P.M., Short Course: "Biblical Faith and the Ethical Revolution," Dr. Thomas McCollough, leader.

An exhibit of "Original Cartoons and Drawings" by Mr. Jim Crane of the Art Department of Florida Presbyterian College will open today at the Methodist Center. It will continue through November 25. Mr. Crane's work appears frequently in *motive*. His first book of cartoons will be published soon. Like Jules Fieffer, he is known for his pungent criticism and brilliant satire of contemporary life. The University Community is invited to see the exhibit daily between the hours of 9:00 A.M. and 9:00 P.M.

**PRESBYTERIAN CENTER** (Chaplain Charles E.

Johnson): **Sunday**, 5:30 P.M., Westminster Vespers; 6:00 P.M., Smorgasbord; 6:30 P.M., "Christianity and the Modern French Novel," by Elaine Johnson. The University Community is cordially invited.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, The UCCF will meet at 5:30 P.M. in the home of Mr. and Mrs. John Kernodle, 2921 Welcome Drive. After a snack supper and brief business meeting, Dr. I. B. Holley will speak on the topic, "American Political Parties and Historical Perspective." Transportation will leave the East Campus circle and Chapel steps at 5:15 P.M. **Thursday**, 12:40 P.M., Luncheon at Gilbert-Addoms.

### INTERNATIONAL OPEN HOUSE

There will be an International Open House on Sunday, October 25th at 2101 Campus Drive. The Open House will begin at 3:30 p.m. and at 4:30 p.m., Dr. Juan R. Castellano, Department of Romance Languages, will give an illustrated talk on a journey through parts of South America. Interested members of the University Community are cordially invited. A light supper will be served after the talk, by courtesy and co-operation with the Baptist Student Union.

### SEMINARS ON THE AMERICAN PRESIDENCY

The American Government Committee of the Woman's Student Government Association is sponsoring a two day seminar on the nature of the office of the Presidency. On Sunday, October 25th at 8:00 p.m., Dr. Robert Rankin, Professor of Political Science, will deliver a major address on the office and its use of power. A reception will follow. On Monday, October 26th at 8:00 p.m., there will be a panel discussion. Mrs. Violet Wornfel, Professor of Political Science at North Carolina College, will speak on the relationship of the President to the Party. Dr. Robert Durden, Associate Professor of History, will present a historical perspective of the office, while Mr. Robinson Everett, Adjunct Professor of Law, will consider the problems of policy-making. Both talks will take place in the Music Room of East Duke.

### CHRISTIAN CONVOCATION NORTH CAROLINA PASTORS' SCHOOL JAMES A. GRAY LECTURES

The Christian Convocation and North Carolina Pastors' School together with the James A. Gray Lectures will be held on the campus from Monday, October 26th through Wednesday, October 28th. The James A. Gray Lecturers this year will be Father Godfrey L. Diekmann, Professor of Patrology and Church History in the Major Seminary, Saint John's University, and the Reverend Doctor Robert E. Cushman, Dean of the Duke Divinity School. The general theme of the James A. Gray Lecture is "The Second Vatican Council." The Convocation preacher is The



Reverend Samuel DeWitt Proctor, Director General of Public Interpretation for the National Council of Churches. The Pastors' School Lectures will be given by The Reverend Doctor Eugene L. Smith, new Executive Secretary of the World Council of Churches in the United States. The Bishop's Hour preacher for the Pastors' School Lecture is Bishop Earl G. Hunt, Jr., the new presiding Bishop for the Charlotte Area of the Methodist Church. The Fifth Annual Alumni Lecturer will be Dr. R. Wright Spears, President of Columbia College, South Carolina. The schedule will be:

#### Monday, October 26

- 2:00 p.m. Registration. Flowers Building Lounge.
- 4:00 p.m. Pastors' School Lecture. Dr. Smith. Page Auditorium.
- 5:30 p.m. Dinner for Speakers, Staff, and Board of Managers. Old Trinity Room. Alumni Class Reunion Dinners. Classes of '39 and '54.
- 7:15 p.m. First Gray Lecture. Father Diekmann. Page Auditorium.
- 8:30 p.m. First Convocation Sermon. Dr. Proctor. University Chapel.
- 9:30 p.m. Reception for Alumni and Friends. Flowers Building Lounge. Late Registration.

#### Tuesday, October 27

- 8:00 a.m. Holy Communion. York Chapel.
- 9:00 a.m. Pastors' School Lecture. Dr. Smith. Page Auditorium.
- 10:10 a.m. Second Gray Lecture. Father Diekmann. Page Auditorium. A discussion period will follow this lecture.
- 12:00 noon. Alumni Lecture. Dr. Spears. Page Auditorium.
- 1:00 p.m. Alumni Association Luncheon. The Reverend Robert N. DuBose, President. Union Ballroom.
- 3:00 to 4:00 p.m. Tea for Ministers' Wives. Mrs. Robert E. Cushman, hostess.
- 4:00 p.m. Pastors' School Lecture. Bishop Hunt. Page Auditorium.
- 7:15 p.m. Third Gray Lecture. Dean Cushman. Page Auditorium.
- 8:30 p.m. Second Convocation Sermon. Dr. Proctor. University Chapel.

#### Wednesday, October 28

- 8:00 a.m. Holy Communion. York Chapel.
- 9:00 a.m. Fourth Gray Lecture. Father Diekmann and Dean Cushman. Page Auditorium. A discussion period will follow this lecture.
- 11:00 a.m. Third Convocation Sermon. Dr. Proctor. University Chapel.
- 12:15 p.m. Luncheon Meeting. Board of Managers of the North Carolina Pastors' School. Old Trinity Room.

### CABOT SOCIETY MEETING

Cabot Society will meet Tuesday, October 27th at 5:30 p.m. in the Men's Graduate Center. The speaker will be Dr. Angus McBride, Professor of Pediatrics, in the Medical School. He will speak on "The Doctor as a Family Man." All medical and nursing students are invited to go through the cafeteria line and bring their trays into the private dining room designated.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Stanley A. Nicholson for the Ph.D. degree in Economics will be held on Monday, October 26th at 3:30 p.m. in Room 302 Social Science Building. The subject of Mr. Nicholson's

dissertation is "The Economy of Ghana With Special Reference to Government Strategy for Economic Development." The committee to conduct the examination consists of Professors J. J. Spengler, C. E. Ferguson, C. B. Hoover, R. S. Smith and R. Taylor Cole. Professor Spengler will preside.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. James Hart for the Ph.D. degree in English will be held on Monday, October 26th at 3:30 p.m. in Room 128 Building 9. The subject of Mr. Hart's dissertation is "American Poetry of The First World War (1914 to 1920): A Survey and Checklist." The committee to conduct the examination consists of Professors Clarence Gohdes, Bernard Duffey, Arlin Turner and Richard L. Watson. Professor Gohdes will preside.

### CHEMISTRY SEMINAR

Dr. Ronald M. Milburn, Associate Professor of Chemistry at Boston University, will speak at the Chemistry Staff Seminar on Monday, October 26th at 4:00 p.m. in Room 01 Chemistry Building. The subject of Dr. Milburn's address will be "Iron (III) and Proton Associations with Phenolate Ions." All interested persons are cordially invited to attend.

### ZOOLOGY AND BOTANY SEMINAR

The Zoology and Botany Departments will hold their weekly seminar on Monday, October 26th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Edward R. Baylor, Woods Hole Oceanographic Institution, will speak on "A Theory Relating the Contagious Distribution of Plankton to Langmuir Circulation." Coffee and tea will be served in the foyer at 4:00.

### COLLEGE OF ENGINEERING GUEST SPEAKER PROGRAM

Dr. A. D. Moore, Professor of Electrical Engineering at the University of Michigan, will be the lecturer at the second Guest Speaker Program sponsored by the College of Engineering. The lecture will be presented on Tuesday, October 27th at 11:30 a.m. in the Auditorium of the Engineering Building. Dr. Moore will speak on "Analogy as a Tool in Research and Design."

### MATHEMATICS COLLOQUIUM

The Mathematics Department will hold a colloquium on Tuesday, October 27th, at 4:00 p.m. in Room 114 Physics Building. Dr. Richard E. Chandler, Special Research in Numerical Analysis, will speak on "Enumeration of 2-Complexes." The talk will be preceded by tea and coffee at 3:30 p.m. in Room 120 in the Physics Building.

### **POLITICAL RALLY**

Governor Terry Sanford of North Carolina will speak at a student political rally Tuesday evening, October 27th at 8:45 p.m. in Page Auditorium. The rally is being sponsored by the Duke chapters of the **Young Democrat Club** and **Citizens for Johnson and Humphrey**. The Governor will be speaking on the coming national election.

### **FACULTY CLUB**

The Duke University Faculty Club will hold a luncheon meeting on Wednesday, October 28th at 12:30 p.m. in the Union Ballroom. The Program is under the sponsorship of the School of Law and Dean Latty will be the speaker. Reservations should be made with the Secretary, Don Smith, prior to October 27th. The price of the meal is \$1.25 per plate.

### **PLANT ECOLOGY SEMINAR**

Dr. Hal Mooney of the University of California at Los Angeles will speak on "Ecological Investigations in the California Mountains" on Wednesday, October 28th at 4:00 p.m. in Room 144 Biological Sciences Building.

### **PHI BETA KAPPA FALL ELECTIONS**

The fall meeting of the Duke Chapter of Phi Beta Kappa will be held on Wednesday, October 28th, at 4:00 p.m. in Room 110 New Divinity Building (formerly Gray). Undergraduate elections will be the main business of this meeting. The annual Treasurer's Report will be presented; the report of the delegates to the Triennial Council will also be presented. All staff and faculty members of the Society are eligible to vote. Those not already on the roll should notify the Secretary, Professor W. F. Stinespring, 113 Divinity School, in writing, stating where elected and date of election.

### **PSYCHOLOGY COLLOQUIUM**

The Department of Psychology will hold its weekly colloquium on Wednesday, October 28th at 4:00 p.m. in Room 130 of the Psychology-Sociology Building. Dr. E. K. Beller of Temple University will be the speaker. The title of his talk will be announced later.

### **APPLIED STATISTICS SEMINAR**

The third meeting of the Applied Statistics Seminar will be on Wednesday, October 28th at 4:00 p.m. in Room 114 Physics Building. Dr. H. H. Winsborough will speak on "Variations in Income by Race and Ethnicity in the United States." Coffee will be served at 3:30 in Room 120 Physics Building.

### **JOINT DUKE-U.N.C. PHYSICS COLLOQUIUM**

The Joint Duke-U.N.C. Physics Colloquium will meet Wednesday, October 28th at 4:00 p.m. in Room

265 Phillips Hall, University of North Carolina. Dr. Norwood Russell Hanson of Yale University will speak on "Stability Proofs and Consistency Proofs."

### **TRINITY COLLEGE HISTORICAL SOCIETY**

The Trinity College Historical Society announces its first meeting for the 1964-65 academic year. The speaker is Dr. James H. Brewer of North Carolina College who will address the Society on the topic "The Internal Exile: The Confederate Negro, An Historical Anachronism." Dr. Brewer is currently engaged in writing a book on the role of the Negro in the Confederacy. The meeting will take place in the basement of the Men's Graduate Center on Wednesday, October 28th at 6:15 p.m. All visitors are welcome.

### **SLIDE RULE LECTURE**

The College of Engineering will hold its fifth Slide Rule Lecture on Wednesday, October 28th at 7:00 p.m. in Room 125 Engineering Building. Mr. Warren Seagreaves, graduate student in Civil Engineering, will talk on Log-log scales. Some slide rule users may wish to attend this lecture only.

### **DUKE INTERNATIONAL LAW SOCIETY**

Prof. Kenneth L. Penegar, of the University of North Carolina School of Law, will deliver the third in a series of eight informal lectures on public international law sponsored by the Duke International Law Society. Professor Penegar's topic will be "Fifteen Men—The World Court"; the seminar is open to all members of the university community. The meeting is Wednesday, October 28th at 7:00 p.m. in the library of the Rule of Law Research Center at the Law School. It will be followed by a coffee hour.

### **CLASSICAL STUDIES LECTURE**

Professor P. H. J. Lloyd-Jones, the Regius Professor of Greek at Oxford University and Student of Christ Church, Oxford, will be the guest of the Department of Classical Studies on Wednesday and Thursday, October 28th and 29th. Distinguished scholar, critic and editor of Greek tragedy, lyric poetry and New Comedy, he will lecture on "Greek Poetry on Recent Papyri" at 8:15 p.m. Wednesday, October 28th in Room 130 Psychology-Sociology Building. The public is cordially invited to this lecture. At 11:00 a.m. Thursday, October 29th, he will speak to graduate students and faculty of the Joint Duke-UNC Classics Colloquium on the subject, "A New Fragment of Hellenistic Elegy," in Room 101 Murphey Hall, Chapel Hill.

### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. David Paul Roselle for the Ph.D. degree in Mathematics will be held on Thursday, October 29th at 3:00 p.m. in Room 219 Physics Building. The subject of Mr. Roselle's dissertation is "Generalized Eulerian Functions and a Problem in Partitions." The committee to conduct



the examination consists of Professors Leonard Carlitz, J. H. Roberts, R. A. Scoville and R. L. Clark. Professor Carlitz will preside.

#### ART LECTURE

Dr. Bates Lowry, Chairman of the Department of Art at Brown University, will give a lecture on Thursday, October 29th at 4:00 p.m. in Room 204 East Duke Building. An authority on Renaissance history and Baroque art and architecture, Dr. Lowry's subject will be "The Genesis of the High Renaissance Style." The public and all members of the University Community are invited to attend.

#### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, October 29th at 4:15 p.m. in Room M-110. Dr. J. Pappenheimer, President of the American Physiological Society, Harvard Medical School, will speak on "Role of Cerebrospinal Fluid in the Control of Respiration."

#### STUDENT UNION DISTINGUISHED VISITORS SERIES CARL-CHRISTOPH SCHWEITZER OF GERMANY

In initiating a new series of addresses by visiting dignitaries to the campus, the Student Union Special Services Committee will present Professor Dr. Carl-Christoph Schweitzer on Thursday, October 29th, at 7:30 p.m. in the Auditorium (Room 130) of Building 9, Sociology-Psychology Building. Dr. Schweitzer will speak on the subject, "Should There Be Two Germanys?" The address is open to the public without charge.

Dr. Schweitzer received a major portion of his adult education in England, his family having left Germany to avoid the Nazi regime. After the war, he returned to his homeland and received his Ph.D. at the University of Freiburg. After work with the Evangelical Relief Office, Dr. Schweitzer was employed by the "Bundeszentrale fuer Heimatdienst," a division of the Federal Ministry of the Interior, where he was finally appointed Chief of the Division for Mass Media.

The "Bundeszentrale" is responsible for all matters pertaining to education in citizenship in the schools and universities as well as in adult education programs. This federal agency is taking a leading part in combating any remnants of Nazi teaching, especially in regard to anti-semitism. It also runs an Institute on Problems of Communism where experts from all over Europe are lecturing.

Dr. Schweitzer is also Vice President of "Aktion Gemeinsinn" which corresponds to The Advertising Council of America. Through this, he exerts considerable influence on the press, radio and television, since among his co-workers and promoters are large industrial enterprises, publishing houses, newspapers, broadcasting stations and newsreel companies, as well as

the Association of Newspaper Publishers. He is an active member of the German Foreign Policy Association, and the Council for Christians and Jews.

#### YOUNG REPUBLICANS CLUB MEETING

Mr. Robert Gavin, Republican candidate for Governor of North Carolina, will speak Thursday, October 29th at 7:30 p.m. in Page Auditorium. The rally is sponsored by the Duke Young Republicans Club.

#### GRADUATE ENGLISH CLUB MEETING

On Thursday, October 29th at 8:30 p.m. in Room 208 Flowers Building, the Graduate English Club will present Professor Wallace Fowlie as the first speaker of the year. Professor Fowlie, educator, author, and noted critic of contemporary French letters, has this year joined the Romance Language faculty. He has held a long line of distinguished positions, serving on the faculties of Yale and the University of Chicago and on the staffs of *Poetry* and *Renaissance* magazines. He has produced ten volumes of criticism, two novels, and numerous articles.

Professor Fowlie will give a talk entitled "The Poetry of Saint-John Perse: Some Problems of Translation." Saint-John Perse, pen name of the French poet Alexis Saint-Léger Léger, had a distinguished diplomatic career and in 1960 was awarded the Nobel Prize. In 1930 "Anabasis," his first major poem, was translated by T. S. Eliot with an important critical statement in which Eliot said that Perse's poem was "a piece of writing of the same importance as the later work of Mr. James Joyce."

#### 1964 HOMECOMING SCHEDULE October 30-31 & November 1

##### Friday, October 30

- 9:00 a.m.-9:00 p.m. Alumni Registration. Alumni Lounge, West Campus Union.
- 6:00-8:00 p.m. Judging of Campus Displays. West Campus Dormitory Quadrangle. It is suggested that visitors try to see the displays at this time.
- 6:30-11:00 p.m. Fraternity Open Houses.
- 8:15 p.m. Homecoming Show. Skits by co-eds, pep rally and crowning of the Homecoming Queen. Indoor Stadium, West Campus.

##### Saturday, October 31

- 8:30-9:45 a.m. Medical School Alumni Panel Discussion on "General Practice as a Career." Hospital Amphitheater.
- 9:00 a.m.-6:00 p.m. Alumni Registration. Alumni Lounge, West Campus Union.
- 9:00 a.m. Engineering Alumni Registration. Laboratories open for inspection. College of Engineering.
- 9:00 a.m.-2:00 p.m. Sorority Poster Displays. Sidewalk by tennis courts, West Campus.
- 9:00-11:30 a.m. Forestry School Open House. Forestry School. Biological Sciences Building.
- 9:30 a.m. Coffee Hour for engineering alumni and their wives and guests. Library, College of Engineering.
- 9:45-10:15 a.m. Medical School Alumni Coffee for Medical alumni and wives and School of Nursing Alumnae. Hospital Dining Hall, first floor.
- 10:00-11:30 a.m. Law School Open House. Law School Building.
- 10:15-11:30 a.m. School of Nursing alumnae and wives of

- alumni. "Twenty Year Plan for the Duke Medical Center" by L. E. Swanson. Room 111, followed by visits to INU, CRU or Hyperbaric Chamber.
- 10:15-10:30 a.m. School of Medicine Alumni Association Business Meeting. Hospital Dining Hall, first floor.
- 10:30-11:00 a.m. Dean's Report to Medical School Alumni. Hospital Amphitheater.
- 10:30 a.m. Engineering Alumni Business Session. Room 125, College of Engineering.
- 11:10-12:10 p.m. Medical Alumni Clinical Pathological Clinic. Hospital Amphitheater.
- 11:30 a.m.-1:00 p.m. Alumni Barbecue. Indoor Stadium, West Campus.
- 2:00 p.m. Varsity Football Game. Duke vs. Georgia Tech. Duke Stadium.
- 4:30 p.m. Fraternity Open Houses.
- 4:30-5:30 p.m. Law School Open House. Law School Building.
- 6:30 p.m. 1958-1959-1960 Dinner-Dance. Jack Tar Hotel.
- 6:30 p.m. Bob Newhart, comedian, and Company, sponsored by the Student Union Major Attractions Committee. Indoor Stadium.
- 8:15 p.m. Chamber Arts Society. Beaux Arts Trio. Music Room, East Duke Building.

Sunday, November 1

- 11:00 a.m. University Worship Service. Dr. Howard C. Wilkinson, Chaplain to the University, preacher.

#### ART EXHIBITIONS

East Gallery, Woman's College Library. Paintings and Drawings by Vernon Pratt, Duke alumnus and member of Art Department at Duke.

Alumni Lounge, West Campus Union. Student Union Art Exhibition: "Collages by Edith London." Duke University Art Department.

#### DUKE RADIO PROGRAM

Duke University's weekly radio program, "Challenges in Education," may be heard in this area on Saturdays at 9:55 a.m. on WDNC in Durham and at 11:30 a.m. on WPTF in Raleigh. This week's feature is "Alumni Affairs." Mr. Roger Marshall discusses a double obligation; that of the alumni to their university and of the university to its alumni.

#### STUDENT UNION MAJOR ATTRACTION BOB NEWHART AND PETER NERO

The Student Union will present another after-game major attraction program in the Indoor Stadium at 6:30 p.m. on Saturday, October 31st, as part of the Homecoming festivities. The entertainment will feature Bob Newhart, one of the country's top humorists and winner of the coveted Emmy and Peabody awards, and Peter Nero, brilliant 29 year old pianist. Tickets, priced at \$2.50, \$2.00, and \$1.50 are on sale from 9:00 a.m. until 4:00 p.m. on weekdays and Saturday morning at the bus stop on West Campus and at the Indoor Stadium Box Office following the football game. The doors will open at 5:30 p.m.

A graduate of Loyola University, George Robert Newhart had several years of radio, local TV and stage experience behind him when he was acclaimed an "overnight discovery" in 1960 when his first "Button Down Mind" comedy album exploded on the nation's airwaves. Since that time he has become one of the most sought after guest artists on television in which medium he is presently co-starring in the new CBS series, "The Entertainers" with Carol Burnett and Katrina Valente.

Peter Nero is more than a magical soundmaker.

As an entertainer he combines his talents as an actor to his skill as a classical pianist with a resulting technique that is appealing to classicists and jazz buffs alike. After studying at Juilliard, he went on to Brooklyn College where he graduated to invade the musical world as a winner of TV talent contest (Arthur Godfrey's Talent Scouts) and a touring artist with Paul Whiteman.

#### INTERNATIONAL CLUB HALLOWEEN PARTY

The International Club extends a cordial invitation to members of the University Community to attend the "Guy Fawkes Halloween Homecoming Party" at International House, 2101 Campus Drive, on Saturday, October 31st at 8:00 p.m. There will be dancing and refreshments. The charge is 25¢ per person.

#### CHAMBER ARTS SOCIETY BEAUX ARTS TRIO

The Chamber Arts Society announces the first concert of its season, to be played by the Beaux Arts Trio of New York, Saturday, October 31st, in the Music Room, East Duke Building, at 8:15 p.m. The musicians are Menahem Pressler (Piano), Daniel Guilet (Violin), and Bernard Greenhouse (Cello). The program follows:

Mozart.....Trio in C major, K. 548  
Ravel.....Trio in A minor  
Beethoven.....Trio in B flat major, Op. 97 ("Archduke")

Other chamber music concerts scheduled this season include:

Saturday, November 21.....Hungarian Quartet  
Saturday, December 5.....Drole Quartet (Berlin)  
Saturday, February 13.....Pasquier Trio (Paris)  
Saturday, March 13.....Juilliard Quartet  
Saturday, April 17.....Fine Arts Quartet

Membership and Admission: Membership card admitting members to all concerts costs \$12.00; the card is transferable. Membership enrollment is limited to 330 persons (50 memberships remain available at present); cards are issued in order of application. Program information will be sent to any interested persons on request.

Guest card for single admission to any one concert costs \$2.50. Those not reserved in advance (usually about 50 remain unreserved) may be obtained at the door from 7:30 to 8:00 p.m. on concert evenings.

The Chamber Arts Society is a non-profit organization; membership is open to all persons. For membership enrollment, send check and address to Chamber Arts Society, % Ernest W. Nelson, Box 6065 College Station, Durham, N. C.

#### ZETA BETA TAU MOCK ELECTION

Zeta Beta Tau will sponsor a University Mock Election on Thursday, October 29th. All undergraduate students, graduate students, and members of the faculty and administration are requested to vote for the Presidential candidate of their choice. Voting times and poll locations will be publicized.



## ADVANCE NOTICE SUNDAY EVENING ORGAN RECITALS

Beginning November 1st concerts on the Baroque organ in Alice M. Baldwin Auditorium will be given every Sunday evening from 6:30 to 7:15 p.m. The first concert will be played by Mildred L. Hendrix; thereafter, the organists will be Mrs. Hendrix' advanced students. The music to be presented will not be announced in advance, although it is expected that the name of the organist and the selections for the evening will be posted in the foyer before each concert. All members of the community interested in dropping in for a period of quiet listening are welcome to attend.

## ADVANCE NOTICE ERASMUS CLUB MEETING

The Erasmus Club will meet on Monday, November 2nd at 8:00 p.m. in the Green Room of East Duke Building. Visiting Professor Edward Williamson will give a lecture entitled "The Ordering of Hell."

## CEREBRAL PALSY FOOTBALL CLASSIC

The twelfth Annual Cerebral Palsy Football Classic between Duke's Blue Imps and the University of North Carolina's Tar Babies will be sponsored again this year by the Durham Cerebral Palsy Foundation and the Durham Junior League on November 7th in the Duke Stadium. Kickoff time for the game will be at 2:00 p.m. Tickets, priced at \$1.00 during advance sales and \$1.50 at game time, will be sold on campus by Pan Hellenic members. Proceeds will go to the North Carolina Cerebral Palsy Hospital which provides treatment and education for mentally normal children under 16 years of age who have Cerebral Palsy and some patients with other neuromuscular and skeletal disabilities. Any North Carolina child is eligible.

## MICROBIOLOGY AND IMMUNOLOGY SEMINAR SERIES

The Department of Microbiology and Immunology of the Duke Medical Center announces a Special Seminar Series to be held in the Duke Hospital Amphitheatre. The Series will deal with "Recent Advances in Biochemical Virology" and will be held at 4:00 p.m. on Fridays of the following schedule:

- October 9th—Dr. J. E. Darnell, Jr., Department of Biochemistry, Albert Einstein College of Medicine, Yeshiva University, Bronx, New York. Subject: "RNA Synthesis in Uninfected Animal Cells in Culture."
- October 23rd—Dr. Wolfgang K. Joklik, Department of Cell Biology, Albert Einstein College of Medicine, Yeshiva University, Bronx, New York. Subject: "The Synthesis of Vaccinia DNA and Messenger RNA."
- November 6th—Dr. Leon Levintow, Cell Biology Section, National Institute of Allergy and Infectious Diseases, NIH, Bethesda, Maryland. Subject: "I. Biochemistry of Poliovirus Replication."
- November 20th—Dr. Albert S. Kaplan, Head of the Department of Microbiology, Albert Einstein Medical Center, Philadelphia, Pennsylvania. Subject: "Synthesis and Fate of Pseudo-rabies Virus DNA in Infected Mammalian Cells."
- December 4th—Dr. Maurice Green, Director, Institute for Molecular Virology, St. Louis University School of Medicine,

- St. Louis, Missouri. Subject: "Biochemical Studies on Adenovirus Replication and Tumorigenicity."
- December 18th—Dr. David Baltimore, Department of Biochemistry, Albert Einstein College of Medicine, Yeshiva University, Bronx, New York. Subject: "II. Biochemistry of Poliovirus Replication."
- January 8th—Dr. Robert R. Wagner, Department of Microbiology, Johns Hopkins University, School of Medicine, Baltimore, Maryland. Subject: "Biochemistry of Interferon."
- January 22nd—Dr. Harold S. Ginsberg, Head of the Department of Microbiology, School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania. Subject: "Structure and Biosynthesis of Adenoviruses."

## SOCIAL SCIENCE SEMINAR

The University Social Science Council announces the schedule of speakers for a series of seminars on social science methodology designed for faculty and advanced graduate students in the departments of economics, history, political science, and sociology-anthropology. The seminars are made possible with the cooperation of the Program in Comparative Studies on Southern Asia, the Population Studies Program, and the International Relations Committee. Sessions described below will meet at 7:30 p.m. in Room 130 (auditorium) of the Sociology-Psychology Building. Students and faculty are invited to attend.

1. Tuesday, November 17, 1964  
Speaker: Dr. James Coleman, Professor of Sociology, Johns Hopkins University  
Topic: Application of Mathematical Models  
Chairman: Professor Kurt Back  
Discussants: G. Darroch, R. Saylor
2. Monday, November 30, 1964  
Speaker: Dr. David Apter, Professor of Political Science, University of California (Berkeley)  
Topic: Comparative Political Analysis  
Chairman: Professor Ralph Braibanti  
Discussants: T. Bastedo, H. Blair
3. Tuesday, January 12, 1965  
Speaker: Dr. William Aydelotte, Professor of History, University of Iowa  
Topic: Retrospective Application of Statistical Data  
Chairman: Professor Harold Parker  
Discussants: R. Cashman, L. Brookover
4. Tuesday, March 9, 1965  
Speaker: Dr. Harold Guetzkow, Professor of Political Science, Northwestern University  
Topic: Application of Simulation Models to International Relations  
Chairman: Professor W. W. Kulski  
Discussants: J. Zikmund, T. Gamelin
5. Tuesday, April 13, 1965  
Speaker: Dr. Otis Dudley Duncan, Professor of Sociology, University of Michigan  
Topic: Methods for the Study of Social Mobility  
Chairman: Professor J. J. Spengler  
Discussants: R. Saylor, R. Cashman
6. Tuesday, May 4, 1965  
Speaker: Dr. Kenneth Boulding, Professor of Economics, University of Michigan  
Topic: Value Considerations in the Use of Statistical Data  
Chairman: Professor R. I. Crane  
Discussants: J. Brown, T. Borcherting

## ART EXHIBITS

- October 17th-November 15th—Paintings and drawings by Vernon Pratt. East Gallery, Woman's College Library.
- October 11th-November 7th—Collages by Edith London. West Gallery, Union Building.
- October 26th-November 25th—Cartoons and Original Drawings by Jim Crane, Professor of Art, Florida Presbyterian College. Methodist Student Center.

WEEK OF  
Nov. 1-7, 1964

WEEK OF  
Nov. 1-7, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, November 1

Denominational Meetings. See special notice.

- 9:30 a.m. Chapel Choir Rehearsal. University Chapel.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University. Sermon: "Should the Church Get Out of Politics?" Broadcast over Radio Station WDNC and WDNC-FM.
- 3:30 p.m. International Open House. 2101 Campus Drive. At 4:30 p.m., slides of Williamsburg.
- 6:30-7:15 p.m. Sunday Evening Organ Recital: Mildred L. Hendrix. Baldwin Auditorium.

### Monday, November 2

- 4:15 p.m. Zoology and Botany Seminar. Auditorium, Biological Sciences Building. Speaker: Dr. H. G. Callan.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty volleyball. Indoor Stadium.
- 8:00 p.m. Erasmus Club Meeting. Green Room, East Duke Building. Speaker: Professor Edward Williamson.

### Tuesday, November 3

- 10:10 a.m. Divinity School Chapel. York Chapel. Dean Robert Cushman.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.
- 6:30 p.m. Inter-Varsity Club Meeting. Music Room, East Duke Building. Speaker: Dr. Akbar Haqq.
- 7:30 p.m. Final Examination of Mr. Jonathan Lynde Richardson for the Ph.D. degree in Zoology. Room 225 Biological Sciences Building.
- 7:30 p.m. Divinity Dames Study Course. Methodist Student Center on Oregon Street. Speaker: Dr. Richard Goodling.

### Wednesday, November 4

- 10:10 a.m. Divinity School Chapel. York Chapel. Dean Robert Cushman.
- 4:00 p.m. Psychology Colloquium. Room 130 Psychology-Sociology Building. Speaker: Dr. Michael Wallach.
- 4:00 p.m. Plant Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Mr. Hal Hackett.
- 5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.

7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.

7:00 and 9:10 p.m. Quadrangle Pictures. Page Auditorium. "Lust for Life" with Kirk Douglas, Anthony Quinn, Pamela Brown, and Everett Sloane. From the best-selling novel by Irving Stone, the portrayal of the life of Vincent Van Gogh. In cinemascope and technicolor. (Note: Quadrangle Pictures will be closed Saturday to accommodate Duke Players performance.)

8:00 p.m. Graduate Wives Club Meeting. Episcopal Student Center.

8:15 p.m. Student Union Young Artists Series: Reynolds Price. Music Room East Duke Building.

## Thursday, November 5

10:10 a.m. Divinity School Chapel. York Chapel. Speaker: Mr. Robert L. Wallace.

4:00 p.m. Physiology and Pharmacology Seminar. Room M-204. Speaker: Dr. Roberta O'Dell.

5:00-6:00 p.m. East Campus Pool open for women, faculty, staff members, and students.

5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.

7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.

8:00 p.m. American Association of University Professors. Room 130 Building 9.

8:00 p.m. Josiah C. Trent Society. Rare Book Room, University Library. Speaker: Mrs. Virginia Gray.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, November 6

8:30 a.m. Registration for Duke Law School Conference on Securities Regulations. Duke Law School. (See notice)

10:10 a.m. Divinity School Chapel. York Chapel. Prof. John J. Rudin.

4:00 p.m. Microbiology and Immunology Seminar. Duke Hospital Amphitheatre. Speaker: Dr. Leon Levintow.

4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

7:30 p.m. Hillel Meeting. Room 204 Flowers Building.

8:15 p.m. Duke Players Performance: "Much Ado About Nothing." Page Auditorium.

## Saturday, November 7

9:00 a.m. North Carolina Classical Association Meeting. Registration: Flowers Lounge. Meeting: Room 208 Flowers Building.

9:55 a.m. Duke Radio Program. WDNC Durham.

11:30 a.m. Duke Radio Program. WPTF Raleigh.

2:00 p.m. Cerebral Palsy Football Classic. Duke Stadium.

2:00 and 8:15 p.m. Duke Players Performance (Matinee and Evening): "Much Ado About Nothing." Page Auditorium.

N.B. Quadrangle Pictures will be closed to accommodate the Duke Players Performance: "Much Ado About Nothing." Page Auditorium.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, will deliver the sermon at the University Service of Worship on Sunday, November 1st, at 11:00 a.m. in the University Chapel. The order of worship follows:

The Reverend Professor James T. Cleland, Dean of the Chapel, Presiding Minister.

Dr. R. Taylor Cole, University Provost, Lector.

Opening Organ Voluntary—Concerto V Bach Vivaldi *J. S. Bach*  
Allegro  
Largo

Choral Prelude—"Come Savior of the Gentiles"

*J. S. Bach*

Choral Call to Worship—"The Lord Is In His Holy Temple"  
*Harrington*

Hymn of Adoration—"Before Jehovah's Awful Throne"  
*Genevan Psalter*

Prayers of Confession and For Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Glory to God"

*J. S. Bach*

Scripture Lesson—I Samuel 8:10-20

Hymn—"God of our Fathers, Known of Old" *John B. Dykes*

Call to Prayer

Prayer of Thanksgiving

Petitions for Others and Ourselves

The Offering

Offertory Organ Interlude

Anthem—"The Lamb That Was Sacrificed" *J. S. Bach*

Response—The Doxology

Prayer of Dedication

Sermon—"Should the Church Get Out of Politics?"

Prayer

Benediction

Choral Response—"Sevenfold Amen"

*Stainer*

The Chimes

Closing Organ Voluntary—"Litanies"

*Jehan Alain*

The preacher who is scheduled to deliver the sermon at the November 8th service will be The Reverend Dr. Benjamin E. Mays, President, Morehouse College, Atlanta.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday**, 9:30 A.M., Rides leave for local churches. Coffee and donuts will be served prior to departure. **Friday**, 5:30 P.M., Supper Forum: Worship, supper and discussion. Discussions on "Christian Faith and Secularism," led by Dr. Thomas McCollough, and "The Moral Crisis in America," led by Chaplain Bob Hyatt.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday (All Saints Day)**: 9:15 A.M., Holy Communion. **Monday**, 8:15 P.M., Lay Readers' Training Session. **Wednesday**, 7:10 A.M., Holy Communion; 7:30 P.M., Pre-Symposium Evening. **Thursday**, 5:30 P.M., Holy Communion; 9:00 P.M., Meeting of the Episcopal Council.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, District L.S.A. picnic at Chapel Hill. Dr. Harmon Smith will speak on "Relativism versus Absolutism in Ethics." Rides leaving the Chapel, East Campus circle and Hanes House at 9:15 A.M. Dr. Smith will speak after lunch. **Wednesday**, 5:30 P.M., Supper at the Men's Graduate Center, followed by discussion of **Go Tell it on the Mountain**, by James Baldwin.

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday**, 9:00 A.M., Breakfast-Seminars: "The Congregation in Mission," and "A Dialogue: Christianity and Culture"; 6:15 P.M., Evening Prayer; 7:15 P.M., Short Courses: "Biblical Faith and the Ethical Revolution," Dr. Thomas McCollough, leader, and "What Is Religious Art?" with Dr. John Dixon, leader.

"The World of Jim Crane," an exhibit of cartoons and original drawings, is on display at the Methodist Center through November 25. Mr. Crane is Professor of Art at Florida Presbyterian College.

The Methodist Center Fall Retreat will be held the weekend of November 14-15, at Camp Chesnut Ridge. The theme will be "Poverty and Affluence." For information, call 286-9230 or see Monty Cox or Carol Craumer.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday**, 5:30 P.M., Service of Holy Communion; 6:00 P.M., Smorgasbord; 6:30 P.M., Professor William Bush will speak on "Christianity and Modern French Literature: Bernanos"—The University Community is cordially invited.

Faculty and students are invited to contribute articles to our new magazine. The first issue will deal with "Values of the Undergraduate." Deadline for contributions is November 10, 1964. Bring the articles to Westminster House or mail them to Presbyterian Student Center, Box 4752, Duke Station.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, 5:30 P.M., at the home of Dr. and Mrs. Robert W. Wheat, 2108 Summit Street. After a snack supper and business meeting, Chaplain John Carey will lead a discussion on the topic: "The Reformation and Protestantism Today." Transportation will leave the East Campus circle and

Chapel steps at 5:15 P.M. **Thursday**, 12:40 P.M., Luncheon at Gilbert-Addoms.

## INTERNATIONAL OPEN HOUSE

There will be an International Open House on Sunday, November 1st, at 2101 Campus Drive. The Open House will begin at 3:30 p.m. and at 4:30 p.m. films and slides of Colonial Williamsburg will be shown. Interested members of the University Community are cordially invited. The Open House next week, Sunday, November 8th, will feature Mr. Gisbert Winnewisser from Karlsruhe, West Germany, in an illustrated talk "Berlin, East and West."

## SUNDAY EVENING ORGAN RECITALS

Beginning November 1st concerts on the Baroque organ in Alice M. Baldwin Auditorium will be given every Sunday evening from 6:30 to 7:15 p.m. The first concert will be played by Mildred L. Hendrix; thereafter, the organists will be Mrs. Hendrix' advanced students. The music to be presented will not be announced in advance, although it is expected that the name of the organist and the selections for the evening will be posted in the foyer before each concert. All members of the community interested in dropping in for a period of quiet listening are welcome to attend.

## ZOOLOGY AND BOTANY SEMINAR

The Zoology and Botany Departments will hold their weekly seminar on Monday, November 2nd, in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. H. G. Callan, Professor of Zoology, St. Andrews University, Scotland, will speak on "Lampbrush Chromosomes of Newts." Coffee and tea will be served in the foyer at 4:00 p.m.

## ERASMUS CLUB

The Erasmus Club will meet Monday, November 2nd at 8:00 p.m. in the Green Room East Duke Building. Professor Edward Williamson, Professor of Italian at Wesleyan University and currently Visiting Professor of Humanities in the Romance Languages Department, will speak on "The Ordering of Hell."

## INTER-VARSITY CHRISTIAN FELLOWSHIP LECTURE BY AKBAR ABDUL HAQQ

Dr. Akbar Haqq, Indian scholar, writer, and evangelist will speak on "The Incomparable Christ" on Tuesday, November 3rd at 6:30 p.m. in the Music Room of East Duke Building. Presently a member of the Billy Graham Crusade Team, Dr. Haqq's educational background includes a B.A. and two M.A.'s in Philosophy and Oriental Languages from the University of Punjab, India and a Ph.D. in History of Religion and Systematic Theology from Northwestern University. He was formerly principal of the Henry Martyn School of Islamies. The lecture is sponsored by the Inter-Varsity Christian Fellowship and all interested persons are invited to hear Dr. Haqq.



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### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Jonathan Lynde Richardson for the Ph.D. degree in Zoology will be held on Tuesday, November 2nd at 7:30 p.m. in Room 225 Biological Sciences Building. The subject of Mr. Richardson's dissertation is "The History of an African Rift Lake: An Interpretation Based on Current Regional Limnology." The committee to conduct the examination consists of Professors D. A. Livingstone, J. R. Bailey, I. E. Gray, S. D. Heron, Jr., and W. D. Billings. Professor Livingstone will preside.

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### DIVINITY DAMES STUDY COURSE

The Divinity Dames Study Course will be November 3rd and November 10th at 7:30 p.m. at the Methodist Student Center on Oregon Street. Dr. Richard Goodling, Associate Professor of Pastoral Care, Duke Divinity School, will discuss "What the Wife Should Know About Pastoral Counsel."

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### PSYCHOLOGY COLLOQUIUM

The Department of Psychology will hold its weekly colloquium on Wednesday, November 4th in Room 130 of the Psychology-Sociology Building at 4:00 p.m. Dr. Michael Wallach, Associate Professor of Psychology, will speak on "Creativity and Intelligence in Children's Thinking." This colloquium is sponsored by the Psychology Graduate Students Club.

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### PLANT ECOLOGY SEMINAR

Mr. Hal Hackett, graduate student in Botany, will speak on "The International Indian Ocean Expedition in the Maldives Islands" on Wednesday, November 4th, at 4:00 p.m. in Room 144 Biological Sciences Building.

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### GRADUATE WIVES CLUB MEETING

The Sewing group of the Graduate Wives Club will meet at the Episcopal Student Center on Wednesday, November 4th at 8:00 p.m. All who are interested in this group are invited to attend and bring your hand sewing and knitting. The refreshments will be served by Mrs. John A. Farrell, Mrs. Thomas M. Hooker, and Mrs. James R. Sawers.

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### S. U. YOUNG ARTISTS SERIES REYNOLDS PRICE IN READING

The Student Union Young Artists Series will present Mr. Reynolds Price in a reading of his new and unpublished prose on Wednesday, November 4th at 8:15 p.m. in the Music Room of East Duke Building. An informal reception will be held at the conclusion of the reading in the parlors of East Duke. The public is cordially invited to attend both functions.

Mr. Price, Assistant Professor in the Department of English, currently holds a Guggenheim Fellowship and is on leave from Duke completing work on two forthcoming books, a novel tentatively called "Clear Day," and a second novel (un-named as yet)—the

setting of both being his native state of North Carolina.

After receiving his AB degree from Duke University, Mr. Price was for three years a Rhodes Scholar, Merton College, Oxford University, and joined the Duke faculty in 1958. In 1962 Mr. Price was the recipient of two awards for his first novel, "A Long and Happy Life"—the William Faulkner Award and the Sir Walter Raleigh Award. This novel, published by Atheneum Press and translated in nine different languages, was also pre-published in its entirety in Harper's Magazine and was the Book of the Month Club selection. To be filmed in early 1965 by an independent company it will be produced and directed by Jack Garfein for Joseph Levine.

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### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, November 5th, at 4:00 p.m. in Room M-204. Dr. Roberta O'Dell, Assistant Professor of Urological Physiology, Tulane University, will speak on "Urea Handling by the Kidney."

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### JOSIAH C. TRENT SOCIETY

Mrs. Virginia Gray, of the Duke University Library Manuscripts Department, will address The Josiah C. Trent Society for the History of Medicine on "Adventures with Medical Manuscripts." The meetings will be on Thursday, November 5th at 8:00 p.m. in the Rare Book Room of the University Library. Interested members of the University are invited to attend.

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### DUKE LAW SCHOOL CONFERENCE ON SECURITIES REGULATION

The Duke Law School will sponsor a "Conference on Securities Regulation" on Friday and Saturday, November 6th and 7th. The Conference will be devoted to a discussion of two major developments in the securities field. The first development relates to the increasingly high standard of conduct being imposed on the broker-dealer community. The participants will discuss the emerging content of these standards and how they will affect the conduct of broker-dealers and the protections accorded investors. In addition, the cost of this professionalization will be discussed and its impact on the ability to raise venture capital. The second development relates to the growing importance of the institutional investor (as opposed to the individual investor) in the equity market. The participants will explore the reasons for and desirability of this development, the investment habits of institutional investors and the impact of their special needs on the present market structure. They will also address themselves to questions concerning the institution as a shareholder—particularly the proper attitude of management toward its position of control or influence over its portfolio companies.

Further information about the conference may be secured from the Law School.

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## AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS

The Duke Chapter of the American Association of University Professors will hold its first meeting of the academic year on Thursday, November 5th at 8:00 p.m. in the auditorium of the Psychology-Sociology Building (Room 130 Building 9). There will be a discussion of "Faculty Responsibility for Academic Freedom of Students" by Professors Alan Manchester, Robert Durden, and Paul Hardin representing the faculty, and Miss Heather Low and Mr. Kenneth Bass, representing student associations. Members of the AAUP are invited to attend.

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## MICROBIOLOGY AND IMMUNOLOGY SEMINAR

The Department of Microbiology and Immunology of the Duke Medical Center will hold its third Seminar on Friday, November 6th at 4:00 p.m. in the Duke Hospital Amphitheatre. Dr. Leon Leviatow of the National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, will speak on "I. Biochemistry of Poliovirus Replication."

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## HILLEL MEETING

Hillel will hold its regular Friday evening service on Friday, November 6th, at 7:30 p.m. in Room 204 Flowers Building. All interested persons are invited to attend.

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## DUKE PLAYERS PRESENTS "MUCH ADO ABOUT NOTHING"

As part of the universal celebration of the 400th anniversary of Shakespeare's birth, Duke Players will present his great comedy, "Much Ado About Nothing" in Page Auditorium, November 6th and 7th. The battle of wits between Beatrice and Benedick, the clowning of the constable Dogberry and his henchmen, and the love story of Hero and Claudio all provide some of the finest romantic comedy ever written for the theatre.

Tickets for the evening performances, which will be at 8:15 p.m. are \$1.25. The Saturday matinee at 2:00 p.m. is \$1.00 for regular admission; high school and junior high school students will be admitted for 50c. The Page box office will be open each afternoon from 3:00 until 4:30, and on Friday and Saturday, it will be open through performance time. Call Extension 2911 for reservations during the hours listed.

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## DUKE RADIO PROGRAM

Duke University's weekly radio program, "Challenges in Education," may be heard in this area on Saturdays at 9:55 a.m. on WDNC in Durham and at 11:30 a.m. on WPTF in Raleigh. This week's feature is the "Computer Revolution." Dr. Tom Gallie, Associate Professor of Mathematics, tells us about new uses for today's computers.

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## NDEA MODERN FOREIGN LANGUAGE AND AREA STUDY FELLOWSHIPS

Graduate fellowships for language and related area studies of Asia, the Near and Middle East, Sub-Saharan Africa, Latin-America, the USSR, and Europe (except France, Germany, Italy and Spain) are available under Title VI of the National Defense Education Act. Graduate stipends range up to \$2,700 for twelve months plus tuition, plus \$600 for each dependent up to four.

Students may study at the university of their choice if the necessary language and area courses are offered. Selection of students is made by the university of their choice and by the U. S. Office of Education.

Two years of previous study of the language is required for fellowships in Russian and Latin American Spanish. The increased availability of language fellowships for 1965-66 makes possible the waiver of the one-year background requirement for fellowships in Arabic, Chinese, Hindi-Urdu, Japanese, and Portuguese, although preference will be given applicants with some previous training. Although fellows must study a language of the area of their choice, the graduate degree may be taken in such disciplines as political science, economics, literature, history, anthropology, linguistics, art, and music.

Interested students may secure application packets in the Political Science Office, 304 Library. Completed forms must be sent to the appropriate university by a deadline set by each university. The deadline at Duke is December 14, 1964. Students who wish to apply for admission to universities other than Duke may secure application packets either at Duke or from the university to which they desire admission.

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## ADVANCE NOTICE GUEST ORGAN RECITAL

There will be a Guest Organ Recital presented by Dr. LaVahn Maesch, Director of the Conservatory of Music, Lawrence College, Appleton, Wisconsin, in Duke University Chapel, Sunday, November 8th at 4:00 p.m.

Mr. Maesch received his training at Lawrence College, the University of Michigan, and the Eastman School of Music; he also studied widely in Europe. At Lawrence for many years, he has been professor of organ and music literature, choirmaster and organist at the First Congregational Church, and conductor of the well-known Lawrence Concert Choir.

An Associate of the American Guild of Organists, Maesch served two years as Dean of the Northeastern Wisconsin chapter, and is a former Regional chairman of the Guild. He is past president of the Wisconsin Music Teachers Association, and former president of the Lawrence Alumni Association. He is past President of the Music Teachers National Association, a past regional chairman of the National Association of Schools of Music, and currently is national Vice-President of that organization and a member of the board of directors of the Wisconsin Arts Foundation and Council. He was recently awarded the Dis-



tinguished Service Award by the Lawrence Alumni Association, and a similar award by the University of Wisconsin.

The program follows:

Praeludium	Johann Pachelbel
Chaconne in F minor	(1653-1706)
A Mighty Fortress Is Our God	Dietrich Buxtehude
	(1637-1707)
Suite for a Musical Clock	George Frederick Handel
	(1685-1759)
Prelude, Air, Voluntary on a Flight of Angels, Mennet, Gigue	
Litany	Myron Roberts
The Shepherds	Olivier Messiaen
	(1908- )
Dialogue on the Mixtures	Jean Langlais
	(1907- )
Death, Like an Overflowing Stream	LaVahn Maesch
Passacaglia on an early American hymn-tune, Amanda, by	
Justin Morgan (1792)	
Toccata	Leo Sowerby
	(1895- )

## ADVANCE NOTICE

### DUKE SYMPOSIUM

#### "THE INDIVIDUAL IN MASS SOCIETY"

The annual student-sponsored Duke University Symposium will take place November 8th through 10th. The purpose of the program is to bring to the campus each year a group of distinguished persons to discuss some topic of interest to the entire campus. Participating in this year's symposium, "The Individual in Mass Society," will be Dr. John Roche, National Chairman of the **Americans for Democratic Action** and Chairman of the Department of Politics at Brandeis University; Dr. Norton E. Long, Professor of Community Government at Brandeis University; and Dr. Joseph F. Fletcher, Professor of Pastoral Theology and Christian Ethics at the Episcopal Theological Seminary in Cambridge, Massachusetts. All sessions are open to the public without charge.

The schedule follows:

Sunday, November 8th.

7:30 p.m. Opening Session: Major address by Dr. John P. Roche, followed by a panel discussion.

9:30 p.m. Reception, Flowers Lounge.

Monday, November 9th.

11:30 a.m. Morning Seminars:

Dr. Roche, Room 201 Flowers

Dr. Long, Room 206 Flowers

Dr. Fletcher, Room 204 Flowers

3:30 p.m. Afternoon Discussions, President's Club Room (below Baldwin Auditorium)

7:30 p.m. Major Address: Dr. Norton E. Long, followed by a panel discussion.

Tuesday, November 10th.

11:30 a.m. Morning Seminars:

Dr. Fletcher, Room 201 Flowers

Dr. Long, Room 204 Flowers

3:30 p.m. Afternoon Discussions, Faculty Lounge.

7:30 p.m. Major Address: Dr. Joseph Fletcher, followed by a panel discussion and summation.

## CEREBRAL PALSY FOOTBALL CLASSIC

The twelfth Annual Cerebral Palsy Football Classic between Duke's Blue Imps and the University of

North Carolina's Tar Babies will be sponsored again this year by the Durham Cerebral Palsy Foundation and the Durham Junior League on November 7th in the Duke Stadium. Kickoff time for the game will be at 2:00 p.m. Tickets, priced at \$1.00 during advance sales and \$1.50 at game time, will be sold on campus by Pan Hellenic members. Proceeds will go to the North Carolina Cerebral Palsy Hospital which provides treatment and education for mentally normal children under 16 years of age who have Cerebral Palsy and some patients with other neuromuscular and skeletal disabilities. Any North Carolina child is eligible.

## ADVANCE NOTICE

### STUDENT UNION ADVENTURE SERIES

The Student Union's Special Activities Committee is initiating a new Adventure Series of color films personally narrated by distinguished explorers, life scientists and travel authorities. All programs are at 7:30 p.m. in Page Auditorium. Season tickets are now available in 202-A Flowers Building or by mail addressed to Duke University Student Union, Box KM, Duke Station. Season tickets for the four programs are priced as follows: Adults—\$3.00; All students—\$2.25; Children (12 and under)—\$1.50; Family (2 adults and 2 children)—\$7.50. Single admissions are \$1.00 (adults); 75c (all students) and 50c (children 12 and under).

The programs include:

Tuesday, December 1, 1964 "Colombia Gem of South America" with Aubert Lavastida. Set in splendor, from Bogota, high in the majestic Andes to deep jungles and a 2000 mile coastline, Colombia, long called New Granada, has a colorful background of Spanish tradition. Its rich natural resources remain largely untapped and even unexplored. Film study by Aubert Lavastida, noted photographer, of this important segment of our hemisphere.

Tuesday, March 2, 1965 "Yankee Sails the Nile" with Capt. Irving M. Johnson. Sail with Irving and Electra Johnson in the wake of ships of the Pharaohs and the barge of Cleopatra. In four months, with expert photographers from National Geographic Magazine aboard and with exceptional cooperation from the Egyptian government, the "Yankee" sails through a civilization and culture that has existed for over 6,000 years.

Monday, March 15, 1965 "Wonders of the Deep" with Geza de Rosner. Oceanography, an increasingly popular science, and a key to the future, brought to the screen by accomplished photographer, lecturer, aquanaut, Geza de Rosner. Action that is fast, and sometimes furious, often downright funny. Strange creatures of the deep: frolicking seals; rip-roaring sharks; good-natured antics of friendly fish; oceanbed valleys, weird underwater mountains.

Thursday, April 22, 1965 "Russia and Its People" with Raphael Green. One of the few American cameramen to get a good look behind the Iron Curtain, Raphael Green filmed the Russian people at work, on collective farms, at the markets—even Kremlin leaders in Red Square and cosmonauts at a press conference. His uncensored, non-political coverage is a must for all Americans who have wondered what everyday life is like in the Soviet Union.

## 1964-65 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A

check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium at 8:15 p.m. on the indicated dates, with the exception of the BBC Symphony Orchestra Concert which will be held in the Indoor Stadium.

The 1964-65 Series is as follows:

LEONARD ROSE, Cellist	Monday, November 30
AMERICAN BALLET THEATRE	Thursday, December 10
THE GOLDOVSKY GRAND OPERA THEATRE	Friday, February 12
JOHN OGDON, Pianist	Thursday, February 18
BBC SYMPHONY ORCHESTRA	Tuesday, May 4

#### NORTH CAROLINA CLASSICAL ASSOCIATION

The North Carolina Classical Association will hold a meeting on Saturday, November 7th in Room 208 Flowers Building. Registration will begin at 9:00 a.m. in Flowers Lounge with the program following:

Miss Frances Lynch, Duke University, "Dante's *Inferno* and *Aeneid VI*."

Professor Philip Stadter, University of North Carolina, "Special Effects in Plautus' Comic Dialogue."

Miss Sarah Boll, Duke University, Report on the joint Duke-UNC excavations at Winchester.

Professor D. K. Stanley, Duke University, "A New Vase of Polygnotos at Duke."

10:30 Coffee Break.

11:00

Professor Edwin Brown, University of North Carolina, "Numerical Proportioning in Classical Art."

Mrs. Ruth Williamson, Charlotte Country Day School, "A Trip to Rome and the American Academy."

Forum Discussion: The Future of the Latin Curriculum in North Carolina High Schools, Professor B. L. Ullman, presiding.

12:30 Luncheon

Afternoon, 2:00

Mrs. Joe Rhinehart, State Sponsor of J.C.L., Sylva-Webster High School, Report on the National Junior Classical League Convention.

Business Meeting, including election of officers for 1964-65.

Visit to the Duke Classical Collection, Rare Book Room, and to the Princeton Classical Collection, now on loan at Duke. Room 266, Building 9.

#### ART EXHIBITS

October 17th-November 15th—Paintings and drawings by Vernon Pratt. East Gallery, Woman's College Library.

October 11th-November 7th—Collages by Edith London. West Gallery, Union Building.

October 26th-November 25th—Cartoons and Original Drawings by Jim Crane, Professor of Art, Florida Presbyterian College. Methodist Student Center.





WEEK OF  
Nov. 8-14, 1964

# CALENDAR

WEEK OF  
Nov. 8-14, 1964

## OF DUKE UNIVERSITY



### Events of the Week

#### Sunday, November 8

- Denominational Meetings. See special notice.
- 9:30 a.m. Chapel Choir Rehearsal.
- 10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.
- 11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Benjamin E. Mays, President of Morehouse College, Atlanta, Georgia. Sermon: "The Vocation of the Christian—In But Not of the World." Broadcast over Radio Station WDNC and WDNC-FM.
- 3:30 p.m. International Open House. 2101 Campus Drive. (at 4:30) Mr. Gisbert Winnewisser. "Berlin, East and West."
- 4:00 p.m. Guest Organ Recital: LaVahn Maesch. University Chapel.
- 7:30 p.m. Duke Symposium: "The Individual in Mass Society." Page Auditorium. Speaker: Professor John P. Roche.

#### Monday, November 9

- 4:00 p.m. Applied Statistics Seminar. Room 114 Physics Building. Speaker: Dr. Daniel Gianturco.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30 p.m. Duke Symposium. Page Auditorium. Speaker: Professor Norton E. Long.

#### Tuesday, November 10

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Ralph W. Sockman.
- 12:30 p.m. Kappa Delta Pi Luncheon. Men's Graduate Center. Speaker: Dr. Joseph Johnston.
- 1:00 p.m. Final Examination of Mr. Herbert Collins for the Ph.D. degree in Sociology. Room 258 Building 9.
- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 4:00 p.m. Mathematics Colloquium. Room 114 Physics Building. Speaker: Dr. Patrick R. Ahern.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 4:30 p.m. Physiology and Pharmacology Seminar. Room M-204. Speaker: Dr. David E. Goldman.
- 5:00 p.m. Gerontology Seminar. Room 208 Flowers Building. Speaker: Dr. E. Woodford-Williams.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:30 p.m. Cabot Society meeting. Men's Graduate Center. Speakers: Dean William G. Anlyan and Reverend Wesley Aitken.
- 7:00 p.m. Duke Sailing Club. Green Room East Duke Building.
- 7:30 p.m. Duke Symposium. Page Auditorium. Speaker: Professor Joseph F. Fletcher.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted  
IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later  
than 1:00 p.m., Wednesday. Extension 2911.



8:00 p.m. Book Group Graduate Wives Club. Green Room East Duke Building. Speaker: Mrs. Clayton Morgareidge.

## Wednesday, November 11

- 10:10 a.m. Divinity School Chapel. York Chapel. Rev. W. W. Finlator.
- 11:00 a.m. Divinity School Library Lecture. York Chapel. Speaker: Professor Krister Stendahl.
- 12:30 p.m. Campus Club Luncheon. Hope Valley Country Club. Speaker: Dr. Douglas Knight.
- 1:30 p.m. Final Examination of Mr. Robert Newland Shorter for the Ph.D. degree in English Room 328 Allen Building.
- 3:15 p.m. Botany and Zoology Seminar. Auditorium of Biological Sciences Building. Speaker: Dr. Daniel C. Tosteson.
- 4:00 p.m. Plant Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Mr. John Shontz.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:05 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "The Bridge" (German). "Intense and Compelling . . . Nerve-Shattering!" —*New York Times*. "Skillful and Ferocious . . . with Taste . . . Warmth and Sensitivity!" —*Time Magazine*. Academy Award nomination! 7 best film awards around the world!
- 7:00 p.m. Student Union Duplicate Bridge Club. Green Room East Duke Building.

## Thursday, November 12

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Thomas E. Murphy, Jr.
- 11:30 a.m. College of Engineering Lecture. Auditorium of the Engineering Building. Speaker: Mr. A. D. Jamtaas.
- 4:00 p.m. Undergraduate Faculty Council. Room 208 Flowers Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:00 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-8:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:00 p.m. Graduate Wives Club meeting. Duke Power Co. Auditorium.
- 8:00 p.m. United World Federalists meeting. Baptist Student Center.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, November 13

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Lloyd E. Griffith, Jr. and Mr. Gordon V. Nelson, Jr.
- 11:00 a.m. Law School Speakers Program. Courtroom, Law School. Speaker: Mr. Wright Tisdale.
- 12:50 p.m. N.R.O.T.C. Lecture: Admiral Freidrick Ruge. Room 139 Social Sciences Building.
- 4:00 p.m. Zoology and Psychology Colloquium. Room 111 Biological Sciences Building. Speaker: Dr. Daniel S. Lehrman.
- 4:00 p.m. Chemistry Staff Seminar. Room 01 Chemistry Building. Speaker: Dr. Robert E. Visco.
- 4:00 p.m. Primitive Art Lecture. Room 130 Psychology-Sociology Building. Speaker: Count Vinigi Grottanelli.
- 4:15-6:00 p.m. Duke Marching Band Practice. Coombs Field.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:00 p.m. Hillel meeting. Friends' Meeting House.
- 8:15 p.m. Glee Clubs Concert. Page Auditorium.

## Saturday, November 14

- 2:00 p.m. Varsity Football: Duke versus U. S. Naval Academy at Annapolis, Maryland.
- 7:05 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "The Bridge" (German). "Intense and Compelling . . . Nerve-Shattering!" —*New York Times*. "Skillful and Ferocious . . . with Taste . . . Warmth and Sensitivity!" —*Time Magazine*. Academy Award nomination! 7 best film awards around the world!
- 8:15 p.m. Sonata Recital: Giorgi Ciompi and Loren Withers. Music Room East Duke Building.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Benjamin E. Mays, President of Morehouse College, Atlanta, Georgia, will deliver the sermon at the University Service of Worship on Sunday, November 8th, at 11:00 a.m. in the University Chapel. The order of worship follows:

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, Presiding Minister.

Dr. Samnel P. Massey, President, North Carolina College, Lector.

Opening Organ Voluntary—Fantasie in G minor *J. S. Bach*  
Two Chorale Preludes *Brahms*

Choral Call to Worship—"The Lord is in His Holy Temple"  
*Harrington*

Hymn of Adoration—"The God of Abraham Praise"  
*Arr. from a Hebrew melody*

Prayers of Confession and For Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Lord For Thy Tender Mercies Sake"

*Richard Farrant*

Scripture Lesson—John 17:6-19  
Hymn—"Heaven Is Here, Where Hymns of Gladness"  
*Francis J. Haydn*

Call to Prayer  
Prayer of Thanksgiving  
Prayers of Intercession and Petition  
The Offering  
Offertory Organ Interlude  
Anthem—"And He Shall Purify" (from *The Messiah*)  
*Handel*  
Response—The Doxology  
Prayer of Dedication  
Sermon—"The Vocation of the Christian—In But Not of the World"  
Prayer  
Benediction  
Choral Response—"Sevenfold Amen"  
*Stainer*  
The Chimes  
Closing Organ Voluntary—Carillon  
*Vierne*

The preacher who is scheduled to deliver the sermon at the November 15th service will be the Reverend Dr. James L. Price, Jr., Dean of Trinity College and Chairman of the Department of Religion.

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday**, 9:30 A.M., Rides leave for local churches. Coffee and donuts will be served prior to departure. **Friday**, 5:30 P.M., Supper Forum: Worship, supper and discussion. Worship in dramatic form entitled, "Love—Agape Way," led by Baptist students from North Carolina College and discussion led by Chaplain Hank Elkins of North Carolina College on "The Economics of Equality."

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday**, 9:15 A.M., Holy Communion. **Wednesday**, 7:10 A.M., Holy Communion; 7:30 P.M., Lay Reader's Training. **Thursday**, 5:30 P.M., Holy Communion. **Friday**, 8:00 P.M., Seminar on Orthodoxy.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, 6:30 P.M., Grace Lutheran Church, Supper prepared by the students. **Monday**, 5:30 P.M., Supper meeting at the Men's Graduate Center, followed by discussion of *Go Tell it on the Mountain*, by James Baldwin.

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday**, 9:00 A.M., Breakfast-Seminars: "The Congregation in Mission," and "A Dialogue: Christianity and Culture"; 6:00 P.M., Evening Prayer; 7:00 P.M., Short Course: "What Is Religious Art?" by Dr. John W. Dixon. (Please note time changes.)

"The World of Jim Crane," an exhibit of cartoons and original drawings, is on display at the Methodist Center through November 25. Mr. Crane is Professor of Art at Florida Presbyterian College.

The Methodist Center Fall Retreat will be held the weekend of November 14-15, at Camp Chesnutt Ridge. The theme will be "Poverty and Affluence." For information, call 286-9230 or see Monty Cox or Carol Cranmer.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): There will be no meeting today due to the Westminster Conference Synod of North Carolina at Camp New Hope.

Faculty and students are invited to contribute articles to our new magazine. The first issue will deal with "Values of the Undergraduate." Deadline for contributions is November 10, 1964. Bring the articles to Westminster House, or mail them to Presbyterian Student Center, Box 4752, Duke Station.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, 5:30 P.M., at the home of Mr. and Mrs. N. W. Langston, 1619 Delaware Avenue. After a snack supper and a brief business meeting, the group will discuss "The Church and Urbanization." The meeting will end in time for members to attend the opening meeting of the University Convocation. Transportation will leave the East Campus circle and Chapel steps at 5:15 P.M. **Thursday**, 12:40 P.M., Luncheon at Gilbert-Addoms.

### GUEST ORGAN RECITAL

There will be a Guest Organ Recital presented by Dr. LaVahn Maesch, Director of the Conservatory of Music, Lawrence University, Appleton, Wisconsin, in Duke University Chapel, Sunday, November 8th at 4:00 p.m.

Mr. Maesch received his training at Lawrence College, the University of Michigan, and the Eastman School of Music; he also studied widely in Europe. At Lawrence for many years, he has been professor of organ and music literature, choirmaster and organist at the First Congregational Church, and conductor of the well-known Lawrence Concert Choir.

An Associate of the American Guild of Organists, Maesch served two years as Dean of the Northeastern Wisconsin chapter, and is a former Regional chairman of the Guild. He is past president of the Wisconsin Music Teachers Association, and former president of the Lawrence Alumni Association. He is past President of the Music Teachers National Association, a past regional chairman of the National Association of Schools of Music, and currently is national Vice-President of that organization and a member of the board of directors of the Wisconsin Arts Foundation and Council. He was recently awarded the Distinguished Service Award by the Lawrence Alumni Association, and a similar award by the University of Wisconsin.

The program follows:

Praeludium	Johann Pachelbel
Chaconne in F minor	(1653-1706)
A Mighty Fortress Is Our God	Dietrich Buxtehude
	(1637-1707)
Suite for a Musical Clock	George Frederick Handel
	(1685-1759)
Prelude, Air, Voluntary on a Flight of Angels, Menuet, Gigue	
Litany	Myron Roberts
The Shepherds	Olivier Messiaen
	(1908- )
Dialogue on the Mixtures	Jean Langlais
	(1907- )
Death, Like an Overflowing Stream	LaVahn Maesch
Passacaglia on an early American hymn-tune, Amanda, by Justin Morgan (1792)	
Toccata	Leo Sowerby
	(1895- )



## DUKE SYMPOSIUM "THE INDIVIDUAL IN MASS SOCIETY"

The annual student-sponsored Duke University Symposium will take place November 8th through 10th. The purpose of the program is to bring to the campus each year a group of distinguished persons to discuss some topic of interest to the entire campus. Participating in this year's symposium, "The Individual in Mass Society," will be Dr. John Roche, National Chairman of the Americans for Democratic Action and Chairman of the Department of Politics at Brandeis University; Dr. Norton E. Long, Professor of Community Government at Brandeis University; and Dr. Joseph F. Fletcher, Professor of Pastoral Theology and Christian Ethics at the Episcopal Theological Seminary in Cambridge, Massachusetts. In addition to the informal coffee hours held in the afternoons, the speakers will lead informal seminars at 11:30 a.m. on the 9th and 10th. Interested students may make reservations by calling Extension 2911. All sessions are open to the public without charge.

### SCHEDULE

Sunday, November 8

- 7:30 p.m.—INTRODUCTORY REMARKS. Craig W. Worthington, Symposium Chairman  
WELCOME. Dr. Douglas M. Knight, Duke University President  
Address: "Freedom in Mass Society," Professor John P. Roche  
Discussion Panel: Professors Roche, Norton E. Long, Joseph F. Fletcher. Dr. Allan P. Sindler, presiding.  
Informal Reception: Flowers Lounge

Monday, November 9

- 11:30 a.m.—Discussion Seminars (For reservations, please call Ext. 2911)  
Professor Joseph F. Fletcher—204 Flowers  
Professor Norton E. Long—206 Flowers  
Professor John P. Roche—201 Flowers  
3:30 p.m.—Coffee Seminar: Professors Long, Roche, Fletcher  
Presidents Club Room, Baldwin Auditorium, East Campus  
7:30 p.m.—Address: "The Myth and the Reality of Mass Society," Professor Norton E. Long  
Discussion Panel: Professors Long and Joseph F. Fletcher. Dr. Anne Scott, presiding.  
Informal Reception: Flowers Lounge

Tuesday, November 10

- 11:30 a.m.—Discussion Seminars (For reservations, please call Ext. 2911)  
Professor Norton E. Long—204 Flowers  
Professor Joseph F. Fletcher—201 Flowers  
3:30 p.m.—Coffee Seminar: Professors Long and Fletcher  
FF Lounge  
7:30 p.m.—Address: "Leviathan Society and Lilliputian Men," Professor Joseph F. Fletcher  
Discussion Panel: Professors Fletcher and Long. Dr. Harmon L. Smith, presiding.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Herbert Collins for the Ph.D. degree in Sociology will be held on Tuesday, November 10th at 1:00 p.m. in Room 258 Building 9. The subject of Mr. Collins' dissertation is "The Socio-Economic Characteristics of Urbanized Areas in the United States, 1960." The committee to conduct the examination consists of Professors Joel Smith, Alan C. Kerckhoff, Halliman H. Winsborough, Edgar T.

Thompson, and Joseph J. Spengler. Professor Smith will preside.

### APPLIED STATISTICS SEMINAR

The Applied Statistics Seminar will meet on Monday, November 9th at 4:00 p.m. in Room 114 Physics Building. Dr. Daniel Gianturco will speak on "A Markov Chain Model of Sleep EEG Patterns." Coffee will be served in Room 120 Physics Building at 3:30 p.m.

### KAPPA DELTA PI LUNCHEON

The second Education Luncheon of the fall semester will be held on Tuesday, November 10th at 12:30 p.m. in the Men's Graduate Center. Dr. Joseph Johnston of the State Department of Public Instruction will discuss "The Governor's School of North Carolina." The public is invited. No reservation is necessary.

### MATHEMATICS COLLOQUIUM

The Mathematics Department will hold a colloquium on Tuesday, November 10th at 4:00 p.m. in Room 114 Physics Building. Dr. Patrick R. Ahern of The Institute for Advanced Study will speak on "H<sup>2</sup> Theory for Function Algebras." The talk will be preceded by tea and coffee at 3:30 p.m. in Room 120 Physics Building.

### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Tuesday, November 10th at 4:30 p.m. in Room M-204. Dr. David E. Goldman, Division of Biophysics, Naval Medical Research Institute, Bethesda, Maryland, will speak on "A Molecular Structural Basis for the Excitation Properties of Axons."

### GERONTOLOGY SEMINAR

The Council of Gerontology will hold a seminar on Tuesday, November 10th, at 5:00 p.m. in Room 208 Flowers Building. Dr. E. Woodford-Williams, J.P., B.Sc., M.D., M.R.C.P., Department of Geriatric Medicine, Sunderland, England, will speak on "Values of a Family Clinic in Geriatric Practice." The public is cordially invited to attend this seminar.

### CABOT SOCIETY MEETING

The Cabot Society will meet Tuesday, November 10th at 5:30 p.m. in the private dining room of the Men's Graduate Center. This meeting is of particular interest to all medical and nursing students. Speakers for the occasion will be Dean William G. Anlyan, Dean of the Medical School and the Reverend Wesley Aitken, Chaplain to Duke Hospital. They will speak on "Cooperation Between the Physician and the Minister." All interested parties are welcome to go through the cafeteria line and bring their trays to the private dining room at 5:30 p.m.

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### DUKE SAILING CLUB

The Duke Sailing Club will hold a meeting on Tuesday, November 10th at 7:00 p.m. in the Green Room East Duke Building. After the meeting, there will be an instructional session on sailing. All interested Duke faculty and students are invited.

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### GRADUATE WIVES CLUB BOOK GROUP MEETING

The Book Group of the Graduate Wives Club will meet on Tuesday, November 10th at 8:00 p.m. in the Green Room of East Duke Building. Mrs. Clayton Morgareidge will lead a discussion on "Sons and Lovers" by D. H. Lawrence. All members interested in the Book Group are invited to attend. The Book Group will be divided at this meeting into several small groups.

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### DIVINITY SCHOOL LIBRARY LECTURE

Dr. Krister Steudahl, the Frothingham Professor of Biblical Studies at Harvard University, will give this year's Divinity School Library Lecture on Wednesday, November 11th at 11:00 a.m. in York Chapel. The Lectureship was established in 1948 by Dr. George Ehlhardt, formerly Librarian of the Duke Divinity School and now Librarian of the Theological Seminary of the University of Dubuque. The subject of the sixteenth lecture in this series is "A Detheologized Paul." The University Community is cordially invited.

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### CAMPUS CLUB LUNCHEON

The Duke University Campus Club will hold its Fall Luncheon on Wednesday, November 11th at 12:30 p.m. at the Hope Valley Country Club. Guest speaker will be Dr. Douglas M. Knight discussing "The Poet: Mind and Ear." Hostess departments for the Luncheon are Medicine, Pathology, Pharmacology, Surgery, Radiology, Hospital Administration, Anesthesiology, Gynecology, Pediatrics, and Obstetrics. Mrs. Delford L. Stickel is the chairman.

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### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Robert Newland Shorter for the Ph.D. degree in English will be held on Wednesday, November 11th at 1:30 p.m. in Room 328 Allen Building. The subject of Mr. Shorter's dissertation is "Boethian Philosophy As The Informing Principle in Chaucer's *Troilus And Criseyde*." The committee to conduct the examination consists of Professors Holger O. Nygard, John L. Lievsay, Robert M. Lumiansky and Ernest W. Nelson. Professor Nygard will preside.

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### BOTANY AND ZOOLOGY SEMINAR

The Botany and Zoology Departments will hold their weekly seminar on Wednesday, November 11th at 3:15 p.m. in the auditorium of the Biological Sci-

ences Building. Dr. Daniel C. Tosteson, Professor and Chairman of the Department of Physiology and Pharmacology, Duke Medical School, will speak on "The Cellular Function of Active Sodium and Potassium Transport." Prior to joining the Duke staff in 1961, Dr. Tosteson was associated with Washington University (St. Louis), Columbia University, Brookhaven National Laboratories and the National Institutes of Health. He has done work abroad at the Universities of Copenhagen and Cambridge. He is presently a member of the Molecular Biology panel of NSF and the Biology Council of Duke University. His major research interests recently have been in cellular physiology with particular interest on cell membranes and transport systems.

Refreshments will be served in the foyer at 3:00 p.m.

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### PLANT ECOLOGY SEMINAR

Mr. John Shontz, graduate student in Botany, will speak on "Forest Succession in Southwestern Ohio," on Wednesday, November 11th, in Room 144 Biological Sciences Building at 4:00 p.m.

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### COLLEGE OF ENGINEERING LECTURE

The College of Engineering presents a lecture "Engineering in the Advanced Technology of Today" on Thursday, November 12th at 11:30 a.m. in the Auditorium of the Engineering Building. Mr. A. D. Jantaas, Vice President of the Douglas Aircraft Company in Charlotte, North Carolina, will be the guest speaker.

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### UNDERGRADUATE FACULTY COUNCIL

The Undergraduate Faculty Council will meet at 4:00 p.m. on Thursday, November 12th in Room 208 Flowers Building.

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### GRADUATE WIVES CLUB MEETING

A meeting of the Graduate Wives Club will be held Thursday, November 12th at 8:00 p.m. at Duke Power Company's Auditorium. There will be a demonstration of Christmas food and decoration ideas. Miss Judith Stedman will hostess the meeting. All graduate wives and graduate women are invited to attend.

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### ZOOLOGY AND PSYCHOLOGY COLLOQUIUM

The Departments of Zoology and Psychology will hold a colloquium on Friday, November 13th at 4:00 p.m. in Room 111 of the Biological Sciences Building. Dr. Daniel S. Lehrman of the Institute of Animal Behavior, Rutgers University, will be the speaker. Professor Lehrman is a world-renowned expert on the experimental analysis of instinctive behavior in animals with particular reference to hormonal relationships.



## UNITED WORLD FEDERALISTS MEETING

The United World Federalists will meet Thursday, November 12th at 8:00 p.m. in the Baptist Student Center on Alexander Street. The purpose of the meeting is to familiarize interested persons with the political action they can take individually, locally, and nationally, on issues relating to world law, the United Nations, and disarmament. All members of the Community are cordially invited to participate in the discussion. Questions will be welcome.

## NROTC LECTURE

Speaking under the auspices of the U. S. Naval Institute and the Duke University of North Carolina Security Seminar, Admiral Friedrich Ruge, former Chief of the Federal German Navy, will present a program on "German Developments in Mine Warfare" on Friday, November 13th at 12:50 p.m. in the Lecture Hall (139) of Social Sciences Building.

## LAW SCHOOL SPEAKERS PROGRAM WRIGHT TISDALE

The Professional Affairs Committee of the Duke Bar Association announces the fifth speaker for the Law School Speakers Program: Mr. Wright Tisdale, Vice President and General Counsel of the Ford Motor Company, and chairman of the Board of Trustees and Executive Committee of Duke University. Mr. Tisdale will speak at 11:00 a.m. in the Courtroom of the Law School on Friday, November 13th. The public is cordially invited to attend.

## CHEMISTRY STAFF SEMINAR

Dr. Robert E. Visco from Bell Telephone Laboratories will speak at the Chemistry Staff Seminar on Friday, November 13th at 4:00 p.m. in Room 01 of the Chemistry Building. The subject of Dr. Visco's address will be "Electroluminescence of Aromatic Hydrocarbons." All interested persons are cordially invited to attend.

## PRIMITIVE ART LECTURE

Count Vinigi Grottanelli, Professor of Anthropology at the University of Rome, will speak on "Exotic Art and Western Appraisal" at 4:00 p.m. on Friday, November 13th in Room 130 of the Psychology-Sociology Building. He is the editor for ethnographic and primitive art for the great "Encyclopedia of World Art," a new venture in international cooperation in scholarship which is being published in several languages. Count Grottanelli has also done anthropological field work in Somaliland, Africa, and is head of the Pigorini Museum in Rome. The lecture is sponsored jointly by the Art Department and the Department of Sociology and Anthropology.

## HILLEL MEETING

The Duke Chapter of the Hillel Foundation will meet Friday, November 13th at 8:00 p.m. at the Friends' Meeting House on Alexander Street. There will be a panel discussion on "Young People Look at Contemporary Judaism."

## GLEE CLUBS CONCERT

The Duke University Men's and Women's Glee Clubs, under the direction of Professor Paul Young, will present a Joint Fall Concert on Friday, November 13th, at 8:15 p.m. in Page Auditorium. Soloists for the program will be Gretchen Ruffy of Durham and Laurens McMaster of Chapel Hill. Mr. James Young will be the accompanist. Admission charge will be one dollar. The program follows:

Ave Maria	Kodály
Wir Eilen Mit Schwachen, Doch Emsigen Schritten	J. S. Bach
(from Cantata No. 78)	
A Ceremony of Carols	Benjamin Britten
Women's Glee Club	
Der Jäger	Mendelssohn
Gute Nacht	Arr. by Woodworth
Maiden Fair	Haydn
El Tropolin	Mejia
Sam Was a Man	Persichetti
Shenandoah	Bartholomew
See That Babe in the Lowly Manger	Ryder
The Foggy, Foggy Dew	Waring
Wait for the Wagon	Buckley
Men's Glee Club	
Gloria	Vivaldi
Men's Glee Club-Women's Glee Club	

## SONATA RECITAL GIORGIO CIOMPI AND LOREN WITHERS

The Department of Music will present a sonata recital by Giorgio Ciompi, violinist, and Loren Withers, pianist, on Saturday, November 14th at 8:15 p.m. in the Music Room East Duke Building. The University Community and general public are cordially invited to attend. The program will be as follows:

Sonata in G major, Op. 30, No. 3	Beethoven
Allegro assai	
Tempo di Minuetto, ma molto moderato e grazioso	
Allegro vivace	
Sonata in A major, Op. 13	Fauré
Allegro molto	
Andante	
Allegro vivo	
Allegro quasi presto	
Intermission	
Sonata in D minor, Op. 108	Brahms
Allegro	
Adagio	
Un poco presto e con sentimento	
Presto agitato	

Mr. Ciompi, appointed this year as Visiting Artist Violinist in the Department of Music, was born in Florence, Italy, and received the Prix du Conservatoire in Paris studying under Boucherit. After work under George Enesco and Diran Alexanian, he taught at the Conservatorio Benedetto Marcello in Venice under its Director, Malipiero. Before coming to the United States in 1948 for a concert tour and Carnegie Hall debut, Mr. Ciompi concertized extensively in Europe.

Since 1948 he has made his home in this country having been asked in that year by Arturo Toscanini to join the NBC Orchestra. For several years he was also a member of the Saitenburger Little Symphony in New York City. From 1949 until coming to Duke University he was a member of the Albeneri Trio and in that capacity toured extensively in this country and four times in Europe. During this association

he made numerous recordings under both the Mercury and Music Guild Labels.

From 1954-1964 Mr. Ciompi was Head of the Violin Department at the Cleveland Institute of Music and first violinist in its String Quartet. In 1954 he became a citizen of this country. During the summers of 1950 and 1951 he was a member of the faculty and performing artist at the Aspen Music Festival and summer appointments of 1959-1963 found him serving as Visiting Professor at the Colorado College summer session and first violinist in its String Quartet.

Mr. Withers has been head of piano instruction at Duke University since 1949. Missouri born, he took a degree in music at the University of Kansas before pursuing further academic work at New York University. After World War II he was a scholarship student at the Juilliard School of Music where he earned both the B.S. and M.S. degrees. His advanced piano training, under Ernest Hutcheson, Fred Klosterman, Carl Friedberg and James Friskin, culminated in a Carnegie Recital Hall concert prior to leaving New York City to come to Duke University.

Over the past fifteen years Mr. Withers has built a distinguished reputation as performer and teacher. Appearances have included performances at the Phillips Gallery and the National Gallery in Washington, D. C. and across the south and midwest. An extended tour in 1962-1963 made possible by the Mary Duke Biddle Foundation brought engagements in California, Florida, Texas and New York.

Well known for the excellence of his studio teaching at Duke, Mr. Withers is in constant demand as a piano workshop pedagogue. Return engagements in consecutive years have been extended by Austin College, Sherman, Texas and the Buffalo Forum for Piano Teachers in Buffalo, New York. His annual three-day summer piano teachers' workshops held at Duke University, begun in 1958, have consistently attracted large enrollments. Mr. Withers is past president of the North Carolina Piano Teachers Association and a member of the credentials committee of the North Carolina Music Teachers Association.

#### STUDENT UNION SPEAKER DR. MARTIN LUTHER KING

Dr. Martin Luther King will speak on Friday, November 13, under the auspices of the Educational Affairs Committee of the Student Union. Dr. King, winner of the 1964 Nobel Peace Prize and president of the Southern Christian Leadership Conference, will be the first lecturer of the 1964-65 Major Speakers Series. The time and place for his address will be announced early next week.

#### STUDENT UNION ADVENTURE SERIES

The Student Union's Special Activities Committee is initiating a new Adventure Series of color films personally narrated by distinguished explorers, life scientists and travel authorities. All programs are at 7:30 p.m. in Page Auditorium. Season tickets are

now available in 202-A Flowers Building or by mail addressed to Duke University Student Union, Box KM, Duke Station. Season tickets for the four programs are priced as follows: Adults—\$3.00; All students—\$2.25; Children (12 and under)—\$1.50; Family (2 adults and 2 children)—\$7.50. Single admissions are \$1.00 (adults); 75c (all students) and 50c (children 12 and under).

The programs include:

Tuesday, December 1, 1964 "Colombia Gem of South America" Aubert Lavastida.

Tuesday, March 2, 1965 "Yankee Sails the Nile" with Capt. Irving M. Johnson.

Monday, March 15, 1965 "Wonders of the Deep" with Geza de Rosner.

Thursday, April 22, 1965 "Russia and Its People" with Raphael Green.

#### DINING HALL HOURS THANKSGIVING HOLIDAYS—1964

The Gothic Hall will close after lunch on Tuesday, November 24th, and reopen for lunch on Monday, November 30th (with the exception of the buffet on Thanksgiving). The Oak Room will close after dinner on Thursday night, November 26th, and reopen for lunch on Monday, November 30th.

<i>Breakfast</i>	<i>Snack Bar</i>	<i>Lunch</i>	<i>Dinner</i>
<i>Wednesday, November 25th</i>			
		Blue & White Room	
7:00- 9:30	9:30-11:00	11:30- 2:00	(closed)
		University Room	
7:15- 9:15		11:00- 1:30	5:00- 6:30
		Oak Room	
		11:30- 2:00	5:00- 7:00
<i>Thursday, November 26th</i>			
		University Room	
8:00-11:00		11:30- 2:00	(closed)
		Gothic Dining Hall	
			5:00- 7:00 Buffet
		Oak Room	
		11:30- 2:00	5:00- 7:00 (Candlelight)
<i>Friday, November 27th</i>			
		University Room	
7:30- 9:30	9:30-11:00	11:30- 1:30	5:00- 6:30
<i>Saturday, November 28th</i>			
		University Room	
7:30- 9:30	9:30-11:00	11:30- 1:30	5:00- 6:30
<i>Sunday, November 29th</i>			
		Blue & White Room	
8:30-11:00		11:30- 1:30	5:00- 7:00

#### 1964-65 ARTISTS SERIES

Season tickets priced at \$8.00, \$9.00, and \$10.00 are available in Room 202-A Flowers Building. A check payable to Duke University Artists Series should accompany orders and should be mailed to Box KM, Duke Station, Durham, North Carolina. Call 681-0111, Extension 2911, for further information. The concerts will be held in Page Auditorium



at 8:15 p.m. on the indicated dates, with the exception of the BBC Symphony Orchestra Concert which will be held in the Indoor Stadium.

The 1964-65 Series is as follows:

LEONARD ROSE, Cellist	Monday, November 30
AMERICAN BALLET THEATRE	Thursday, December 10
THE GOLDOVSKY GRAND OPERA THEATRE	Friday, February 12
JOHN OGDON, Pianist	Thursday, February 18
BBC SYMPHONY ORCHESTRA	Tuesday, May 4

#### DINING HALL ANNOUNCEMENT

The Duke University Dining Halls will serve the traditional Thanksgiving Day buffet from 5:00 to 7:00 p.m. in the Gothic Dining Hall. Since the event has become so popular with those students who must remain on campus during the holiday period, we have reduced the cost of the Oak Room dinner by fifty cents, where the same menu is offered, to encourage families to use the Oak Room so they may be served more leisurely.

WEEK OF  
Nov. 15-21, 1964

# CALENDAR

OF

# DUKE UNIVERSITY



WEEK OF  
Nov. 15-21, 1964

## Events of the Week

### Sunday, November 15

Denominational Meetings. See special notice.

- 9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. James L. Price, Jr., Dean of Trinity College. Sermon: "Christian Faith and Learning." Broadcast over Radio Station WDNC and WDNC-FM.  
3:30 p.m. International Open House. 2101 Campus Drive. (at 4:30) Presentation of the Student Union and its functions.  
7:15 p.m. Ecumenical Film Forum: "The Crucible." Methodist Student Center.

### Monday, November 16

- 3:30 p.m. U. S. Space Program Lecture. Baldwin Auditorium.  
4:15 p.m. Botany-Zoology Seminar. Auditorium Biological Sciences Building. Speaker: Dr. James F. Wilson.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.  
6:00 p.m. Art Department Drawing Class. Room 202 Asbury Building. Instructor: Mr. William K. Stars.

### Tuesday, November 17

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Fletcher Nelson.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
7:00 p.m. Student Union Away Football Movie. Duke versus Navy. Biological Sciences Auditorium.  
8:15 p.m. Duke Symphony Orchestra Concert. Page Auditorium. Soloist: Giorgio Ciompi.

### Wednesday, November 18

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. Fletcher Nelson.  
12:30 p.m. Faculty Club Luncheon. Union Ballroom.  
2:00 p.m. Physical Therapy Open House. Room 042-045 Hospital.  
4:00 p.m. Physiology and Pharmacology Seminar. Room 130 Psychology-Sociology Building. Speaker: Dr. T. Wiesel.  
4:15 p.m. Botany Special Seminar. Room 130 Biological Sciences Building. Speaker: Dr. Henry Hellmers.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.

7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.

7:00 p.m. **ONLY** Quadrangle Pictures. Page Auditorium. "Lawrence of Arabia" with Peter O'Toole, Alec Guinness, Anthony Quinn, Jack Hawkins, Jose Ferrer, and Anthony Quayle in Cinemascope and Technicolor.

8:00 p.m. Graduate Wives Club. Episcopal Student Center.

8:15 p.m. Duke Players Performances. Branson Hall.

## Thursday, November 19

10:10 a.m. Divinity School Chapel. York Chapel. Mr. Sheldon Hermanson.

4:00 p.m. Art Department Lecture. Room 204 East Duke Building. Speaker: Dr. Howard Hibbard.

4:00 p.m. Graduate Faculty Meeting. Room 136 Building 10.

4:00 p.m. Linguistics-Philosophy Lecture. Room 208 Flowers Building. Speaker: Dr. Max Black.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.

7:30 p.m. Honors-Masters Lecture. Room 139 Social Science Building. Speaker: Professor Harold G. Cassidy.

7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal, Room 208 Asbury Building.

8:00 p.m. Newcomers' Club Meeting. 111 Pinecrest Road. Speaker: Lucy Starr Shaw.

8:00 p.m. Humanities Lecture. Music Room East Duke. Speaker: Dr. Eliseo Vivas.

8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

8:15 p.m. Duke Players Performances. Branson Hall.

## Friday, November 20

10:10 a.m. Divinity School Chapel. York Chapel. Musical Service: Charles Smith and the Divinity School Choir.

11:00 a.m. Vatican Council Slide Lecture. Page Auditorium. Speaker: Dean Robert E. Cushman.

4:00 p.m. French Literature Lecture. Room 305 Language Building. Speaker: Professor James Doolittle.

4:00 p.m. Philosophy Colloquium. Room 211A West Duke Building. Speaker: Dr. Max Black.

4:15-6:00 p.m. Duke Concert Band Practice. 208 Asbury Building.

5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty

daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

7:00 p.m. Greek Follies. Indoor Stadium.

8:15 p.m. Duke Players Performances. Branson Hall.

9:00 p.m. Student Union Dance-Concert: The Catalinas and Shirelles. Indoor Stadium.

## Saturday, November 21

9:55 a.m. Duke Radio Program. WDNC, Durham.

11:30 a.m. Duke Radio Program. WPTF, Raleigh.

2:00 p.m. Varsity Football: Duke versus University of North Carolina at Chapel Hill.

7:00 p.m. **ONLY** Quadrangle Pictures. Page Auditorium. "Lawrence of Arabia" with Peter O'Toole, Alec Guinness, Anthony Quinn, Jack Hawkins, Jose Ferrer, and Anthony Quayle in Cinemascope and Technicolor.

8:15 p.m. Chamber Arts Society Concert: Hungarian Quartet. Music Room East Duke Building.

8:15 p.m. Duke Players Performances. Branson Hall.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. James L. Price, Jr., Dean of Trinity College and Chairman of the Department of Religion, will deliver the sermon at the University Service of Worship on Sunday, November 15th, at 11:00 a.m. in the University Chapel. The order of worship follows:

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, Presiding Minister.

Mr. Craig W. Worthington, Chairman, 1964 Symposium Committee, Lector.

Opening Organ Voluntary—Prelude in F major *Buxtehude*  
Fugue in D minor *Pachelbel*

Aria *Flor Peeters*  
Choral Call to Worship—"The Lord is in His Holy Temple" *Harrington*

Hymn of Adoration—"From All That Dwell Below the Skies" *John Hatton*

Prayers of Confession and For Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Surely He Hath Borne Our Griefs" *Antonio Lotti*

Scripture Lesson—I Corinthians 1:21-24; 1:29-2:13

Hymn—"In the Cross of Christ I Glory" *Ithamar Conkey*

Call to Prayer

Prayer of Thanksgiving

Prayers of Intercession and Petition

The Offering

Offertory Organ Interlude

Anthem—"His Yoke is Easy, and His Burthen is Light" *Handel*  
(from *The Messiah*)

Response—The Doxology

Prayer of Dedication

Sermon—"Christian Faith and Learning"

Prayer

Benediction

Choral Response—"Sevenfold Amen" *Stainer*

The Chimes

Closing Organ Voluntary—Psalm XIX *Marcello*

The preacher who is scheduled to deliver the sermon at the November 22nd service will be the Reverend Professor James T. Cleland, Dean of the Chapel.

## DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday**, 9:30 A.M., Rides leave for local churches. Coffee and donuts will be served prior to departure. 7:15 P.M., Film Forum at the Methodist Center.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday**, 9:15 A.M., Holy Communion; 7:15 P.M., Film Forum at the Methodist Center. **Wednesday**, 7:10 A.M., Holy Communion. **Thursday**, 5:30 P.M., Holy Communion.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, LSA Retreat for N. C.-Tenn. areas at W. C. in Greensboro. Rides leave Hanes House, Chapel steps and East circle at 8:30 A.M. **Monday**, 5:30 P.M., Men's Graduate Center, Supper meeting followed by discussion of James Baldwin's *Go Tell it on the Mountain*.

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday** (Seminars will not meet because of the Fall Retreat); 6:00 P.M., Evening Prayer; 7:15 P.M., Film Forum.

"The World of Jim Crane," an exhibit of cartoons and original drawings, is on display at the Methodist Center through November 25. Mr. Crane is Professor of Art at Florida Presbyterian College.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday**, 6:30 P.M., Worship, open to all interested persons. 7:15 P.M., Film Forum at the Methodist Center.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, There will be no dinner meeting this evening. The group will meet at the Methodist Center at 7:15 P. M. for the Film Forum. **Wednesday**, 6:00 P.M., Dinner at the Festa Room.

## ECUMENICAL FILM FORUM

The second film of the Ecumenical Film Series will be shown on Sunday, November 15 at 7:15 P.M., at the Methodist Center. The film will be "The Crucible," by Arthur Miller. Discussion will follow.

Other films to be shown are "The Night of the Hunter," November 22, and "The Quiet One," December 6. The series is sponsored by the Campus Christian Centers at Duke. The University Community is invited. There is no admission charge.

## HILLEL FOUNDATION

**HILLEL FOUNDATION** (Rabbi Joseph E. Levine): **Wednesday**, 6:00 P.M. Supper Seminar at the Men's Graduate Center. Topic: "Basic Judaism—Prayer in the Prayerbook." **Friday**, 7:30 P.M., Regular Service in Room 204, Flowers Building.

## INTERNATIONAL OPEN HOUSE

There will be an International Open House on Sunday, November 15th at 3:30 p.m. at the International House, 2101 Campus Drive. At 4:30 p.m., representatives of various Student Union Committees will explain the purpose of their committee work and

discuss the functions of the Student Union. Refreshments will be served by the Special Services Committee of the Student Union. Members of the University Community are cordially invited to attend.

## U. S. SPACE PROGRAM LECTURE

The Department of Air Science will host an Aerospace Briefing Team consisting of three members from Air University, Maxwell Air Force Base, Alabama on Monday, November 16th at 3:30 p.m. in Baldwin Auditorium. The speakers will be Lt. Colonel Francis J. Sweeney, Jr., Major Jean B. Pitner, and Major James S. Wall. The presentation will be supplemented with 35 mm slides and 16 mm sound film clips. The agenda will include information concerning vehicle boosters, Unmanned Space Programs, and Manned Space Programs. The faculty and students are cordially invited to attend.

## BOTANY-ZOOLOGY SEMINAR

The Botany and Zoology Departments will hold their weekly seminar on Monday, November 16th, in the auditorium of the Biological Sciences Building at 4:15 p.m. Dr. James F. Wilson, Department of Biology, The University of North Carolina at Greensboro, will speak on "Microsurgical Studies on *Neurospora crassa*." Dr. Wilson took his degree under Professor E. L. Tatum at Stanford University and received his Ph.D. degree in 1959. He has recently joined the staff at Greensboro. His primary research interests are in microbial genetics and the application of microsurgical techniques to the study of *Neurospora crassa*. Refreshments will be served in the foyer at 4:00 p.m.

## ART DEPARTMENT DRAWING CLASS

The Art Department offers evening drawing classes, free of charge, to all interested members of the University Community. The first class will meet Monday, November 16th from 6:00 to 8:00 p.m. in Room 202 Asbury Building, East Campus. Mr. William K. Stars will be the instructor.

## FACULTY CLUB LUNCHEON

The Duke University Faculty Club will hold a luncheon meeting on Wednesday, November 18th at 12:30 p.m. in the Union Ballroom. The Program is under the sponsorship of the School of Medicine and Dean W. G. Anlyan will be the speaker. Reservations should be made with the Secretary, Don Smith at Extension 4188, prior to November 17th. The price of the meal is \$1.25 per plate.

## PHYSICAL THERAPY OPEN HOUSE

The Physical Therapy Department cordially invites members of the University Community to attend an Open House, Room 042-045 of the Hospital on Wednesday, November 18th from 2:00-4:30 p.m. There will be a tour of the Department and demonstrations of physical therapy procedures. For those interested in



a career in physical therapy, there will be an opportunity to talk with faculty members about educational requirements.

#### GRADUATE FACULTY MEETING

The Graduate Faculty will meet on Thursday, November 19th at 4:00 p.m. in Room 136, Building 10 (Social Science).

#### DUKE SYMPHONY ORCHESTRA CONCERT

The Department of Music will present the fall concert of the Duke Symphony Orchestra, Allan Bone, Conductor, on Tuesday, November 17th at 8:15 p.m. in Page Auditorium. The program will feature Giorgio Ciompi, Visiting Artist Violinist, in Mendelssohn's Concerto in E minor for Violin and Orchestra. Admission will be by presentation of a season ticket or purchase of a single admission ticket—at the door for \$1.00 or with advance sale in 106 Asbury for \$.50. The University Community and the general public are cordially invited to attend. The program will be as follows:

Overture Festive (1954)	Dmitri Shostakovich
	Opus 96
Symphony No. 2 (1897-1902)	Charles Ives
(Commemorating the tenth anniversary of the composer's death)	

##### Andante moderato

Allegro

Adagio cantabile

Lento maestoso

Allegro molto vivace

##### Intermission

Concerto in E minor for Violin and Orchestra	Mendelssohn
	Opus 64

Allegro, molto appassionato

Andante-Allegretto non troppo

Allegro molto vivace

Giorgio Ciompi, Soloist

Elizabethan Dances (1957)

Moderato e ritmico

Waltz tempo—Languidamente

Moderato

Poco allegretto e semplice

Allegro giocoso

Mr. Ciompi, appointed this year as Visiting Artist Violinist in the Department of Music, was born in Florence, Italy and received the Prix du Conservatoire in Paris studying under Boucherit. He later did advanced work under George Enesco and Diran Alexanian. Following this study he taught at the Conservatorio Benedetto Marcello in Venice under its Director, Malipiero. Before coming to the United States in 1948 for a concert tour and Carnegie Hall debut Mr. Ciompi concertized extensively in Europe.

Since 1948 he has made his home in this country having been asked in that year by Arturo Toscanini to join the NBC Orchestra. For several years he was also a member of the Saitenbnrg Little Symphony in New York City. From 1949 until coming to Duke University he was a member of the Albeneri Trio and in that capacity toured extensively in this country and four times in Europe. During this association he made numerous recordings under both the Mercury and

Music Guild labels. Mr. Ciompi comes to Duke University from the Cleveland Institute of Music where from 1954-1964 he was Head of the Violin Department and first violinist in its String Quartet.

#### BOTANY SPECIAL SEMINAR

The Department of Botany will present a Special Seminar on Wednesday, November 18th at 4:15 p.m. in Room 130-130A of the Biological Sciences Building, West Campus. Dr. Henry Hellmers of the California Institute of Technology will speak on "Temperature and Trees." Dr. Hellmers received his Ph.D. in plant physiology from Berkeley in 1950. Prior to 1955 he worked with the California Forest and Range Experiment Station, U. S. Forest Science. Since 1955 he has been associated with the California Institute of Technology and has carried on research in the Earhart Laboratory. The author of numerous articles, he will discuss temperature requirements of some western forest trees including a consideration of day and night temperatures and heat sums. Refreshments will be served in the foyer at 4:00 p.m.

#### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Wednesday, November 18th at 4:00 p.m. in Room 130 Psychology-Sociology Building. Dr. T. Wiesel, Laboratory of Neurophysiology, Department of Pharmacology, Harvard Medical School, will speak on "The Effect of Visual Deprivation on the Function of Single Units in the Striate Cortex." The seminar will be preceded by a Coffee Hour at 3:30 in Room 310.

#### GRADUATE WIVES CLUB MEETING

The Sewing Group of the Graduate Wives Club will meet on Wednesday, November 18th, at 8:00 p.m. in the Episcopal Student Center on Alexander Avenue. Hostesses will be Mrs. James N. Rees, Mrs. Ralph A. Bradshaw, and Mrs. C. Townsend Ludington.

#### LINGUISTICS-PHILOSOPHY LECTURE

Professor Max Black of the Sage School of Philosophy, Cornell University, will present a lecture on Thursday, November 19th, at 4:00 p.m. in Room 208 Flowers Building. Professor Black's lecture is entitled "The Commonsense of Semantics," dealing in part with the inadequacy of language to represent reality. Professor Black is appearing under the auspices of the Interdepartmental Committee on Linguistics and the Department of Philosophy. The lecture is open to the public.

#### ART DEPARTMENT LECTURE

The Department of Art announces a public lecture to be held on Thursday, November 19th at 4:00 p.m. in Room 204 East Duke Building, East Campus. Dr. Howard Hibbard of Columbia University will speak on "Italian Architecture of the Sixteenth Century—

A New Interpretation." An authority on Renaissance and Baroque art and architecture, Dr. Hibbard is Associate Professor in the Department of Art History and Archaeology of Columbia University. He has published extensively in his area of specialization. Dr. Hibbard received B.A. and M.A. degrees from the University of Wisconsin and a Ph.D. in Baroque Art from Harvard University. A former Fulbright Scholar, he has been the recipient also of fellowships from institutions and foundations including Columbia University, the American Academy in Rome, the American Council of Learned Societies, and Harvard University. In 1963 Dr. Hibbard served as Director of the Society of Architectural Historians. Currently he is Book Review Editor for the College Art Association of America.

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#### **HONORS-MASTER PROGRAM GUEST SPEAKER, HAROLD G. CASSIDY**

The Honors-Masters Program will have as its guest, Professor Harold G. Cassidy, Professor in Chemistry, Yale University, on Thursday, November 19th. Professor Cassidy will speak on "Science and the Humanities" in Room 139 Social Science Building at 7:30 p.m. A reception will follow the lecture. Interested members of the University Community are extended a cordial invitation to attend.

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#### **HUMANITIES LECTURE**

The Cooperative Program in the Humanities will sponsor a lecture by Dr. Eliseo Vivas on Thursday, November 19th at 8:00 p.m. in the Music Room of East Duke Building. The title of the lecture is "The Self and its Masks." Dr. Vivas is Professor of Philosophy at Northwestern University and, this year, Visiting Humanities Professor at UNC. The lecture will be followed by a reception with refreshments. All interested persons are welcome to attend.

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#### **NEWCOMERS' CLUB MEETING**

The Newcomers' Club will meet Thursday, November 19th, at 8:00 p.m. at the home of Mrs. Roy Parker, 111 Pinecrest Road. Lucy Starr Shaw will discuss "Do's and Don'ts in Decorating." Hostesses are Mrs. Richard Watson and Mrs. Roy Parker.

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#### **VATICAN COUNCIL SLIDE LECTURE**

Dean Robert E. Cushman will deliver a lecture with colored slides on the Vatican Council on Friday, November 18th, at 11:00 a.m. in Page Auditorium. The University Community is cordially invited.

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#### **LECTURE ON FRENCH LITERATURE**

As part of the four Distinguished Professors Seminars being presented this semester, Professor James Doolittle, Chairman of the Department of Romance Languages at the University of Cincinnati, will be the

guest lecturer at Professor Bruce W. Wardropper's seminar on "The European Theatre of the Renaissance and the Baroque." Professor Doolittle will speak on "The Bitterness of French Classicism" at 4:00 p.m. on Friday, November 20th in Room 305 Language Building. All those interested are invited to attend.

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#### **GREEK FOLLIES IFC-PAN-HEL ENTERTAINMENT**

The Inter-Fraternity Council and the Pan Hellenic Council will present their "Greek Follies" on Friday, November 20th at 7:00 p.m. in the Indoor Stadium. There will be no admission charge and the public is cordially invited to enjoy this variety show of student skits and musical numbers. The acts will be judged and trophies will be presented to the winning groups.

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#### **STUDENT UNION DANCE-CONCERT**

The Student Union Dance-Concert will be held in the Duke Indoor Stadium on Friday, November 20th from 9:00 p.m. until 1:00 a.m. The music will be furnished by the Catalinas, and the Shirelles, popular recording group, will be featured in the concert section. Tickets are priced at \$2.50 (date) and \$1.50 (single) and are on sale on the West Quad by the sponsoring Student Union Social Committee.

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#### **DUKE RADIO PROGRAM**

Dr. William H. Cartwright, Head of the Department of Education, talks about teacher training and certification on Duke University's radio program, "Challenges in Education." This weekly five minute feature is carried in this area by WDNC in Durham at 9:55 a.m. and by WPTF in Raleigh at 11:30 a.m. on Saturday morning, November 21st.

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#### **CHAMBER ARTS SOCIETY HUNGARIAN QUARTET**

The Chamber Arts Society announces the second concert of its season, to be played by the Hungarian String Quartet on Saturday, November 21st, in the Music Room, East Duke Building, at 8:15 p.m. The musicians are Zoltan Szekely and Michael Kuttner (Violins), Denes Koromzay (Viola), and Gabriel Magyar (Cello). The program follows:

Haydn—Quartet in D major, Opus 64, No. 5 ("The Lark")  
Bartok—Second Quartet in A minor, Opus 17 (1917)  
Beethoven—Quartet in C major, Opus 59, No. 3

Other chamber music concerts scheduled this season include:

Saturday, December 5, Drole Quartet (Berlin)  
Saturday, February 13, Pasquier Trio (Paris)  
Saturday, March 13, Juilliard Quartet  
Saturday, April 17, Fine Arts Quartet

Membership and Admission: Membership Card admitting to all concerts costs \$12.00; the card is trans-



ferable. Membership enrollment is limited to 330 persons (5 memberships remain available at present). Program information will be sent to any interested persons on request. **Guest card** for single admission to any one concert costs \$2.50. Those not reserved in advance (usually about 50 remain unreserved) may be obtained at the door from 7:30 to 8:00 p.m. on concert evenings

The Chamber Arts Society is a non-profit organization; membership is open to all persons. Inquiries may be addressed to Chamber Arts Society, % Ernest W. Nelson, Box 6065 College Station, Durham, N.C.

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#### PHILOSOPHY COLLOQUIUM

Professor Max Black of Cornell University will speak on Friday, November 20th at 4:00 p.m. in Room 211A West Duke Building. His topic will be "Some Philosophical Consequences of Godel's Theorem." All interested University Community members are invited.

#### DUKE PLAYERS PERFORMANCES

The Duke Players will present "The Bald Soprano" by Eugene Ionesco and "The Maids" by Jean Genet on four consecutive evenings, Wednesday through Saturday, November 18th through 21st in Branson Hall with an 8:15 p.m. curtain time. These long one-act plays are representative of the highly popular contemporary Theatre of the Absurd which has gained recognition through such plays as Samuel Beckett's "Waiting for Godot" and "The Caretaker" by Harold Pinter. The plays will be directed by Kenneth Reardon. Tickets, priced at \$1.25, are available from 2:00 until 4:00 p.m. on weekdays at Branson Hall, Extension 3181.

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#### ART EXHIBITION

Sculptures and drawings by Mr. Troy West will be shown in the gallery in the East Campus Library through December 15th. Mr. West is a member of the faculty of the Department of Architecture at Carnegie Institute of Technology in Pittsburgh.

WEEK OF  
Nov. 22-28, 1964

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# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, November 22

Denominational Meetings. See special notice.

- 9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "Harvest Home." Broadcast over Radio Station WDNC and WDNC-FM.  
3:30 p.m. International Open House. 2101 Campus Drive.  
7:15 p.m. Ecumenical Film Forum: "Night of the Hunter." Methodist Student Center.

### Monday, November 23

- 4:15 p.m. Zoology and Botany Seminar. Biological Sciences Auditorium. Speaker: Dr. Peter W. Hochachka.  
4:30 p.m. Art of India Lecture. Room 130 Building 9. Speaker: Dr. Stella Kramrisch.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.  
7:30 p.m. National Security Policy Seminar. Room 139 Social Science Building. Speaker: Dr. Franklyn A. Johnson.  
8:00 p.m. Graduate Wives Club Bridge Group. Green Room East Duke.

### Tuesday, November 24

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor James T. Cleland.  
3:30 p.m. Final Examination of Mr. Ghazi Douwaji for the Ph.D. degree in Economics. Room 237 Social Science Building.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:00 p.m. Academic Council Meeting. Room 208 Flowers Building.  
4:00 p.m. Mathematics Colloquium. Room 114 Physics Building. Speaker: Professor Charles E. Ferguson.  
4:30 p.m. Art of India Lecture. Room 130 Building 9. Speaker: Dr. Stella Kramrisch.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
8:15 p.m. Durham Civic Choral Society Concert. Baldwin Auditorium.

### Wednesday, November 25

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion. Celebrant: Professor James T. Cleland.  
12:30 p.m. Thanksgiving Recess begins.  
2:00 p.m. Final Examination of Mr. Abraham David Kriegel for the Ph.D. degree in History. Room 234 Allen Building.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Tuesday. Extension 2911.



## Thursday, November 26

5:00-7:00 p.m. Thanksgiving Day Buffet. Gothic Dining Hall and Oak Room.

## Saturday, November 28

9:55 a.m. Duke Radio Program. WDNC, Durham.  
11:30 a.m. Duke Radio Program. WPTF, Raleigh.  
8:00 p.m. Varsity Football: Duke versus Tulane, New Orleans, Louisiana.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship on Sunday, November 22nd, at 11:00 a.m. in the University Chapel. The order of worship follows:

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, Presiding Minister.

Mr. "Ted" Benjamin, Jr., President, I. V. C. F., Lector.

Opening Organ Voluntary—Three Choral Improvisations  
*Karg-Elert*

"Now Thank We All Our God"

"Rejoice Greatly O My Soul"

"O God, Thou Good God"

Choral Call to Worship—"The Lord Is in His Holy Temple"  
*Harrington*

Hymn of Adoration—"We Gather Together"  
*Netherland Folk Song*  
*Arr. by Edward Kremser*

Prayers of Confession and for Pardon

Words of Assurance

The Lord's Prayer

Anthem—"How Lovely Are the Messengers"  
from *St. Paul* *Mendelssohn*

Scripture Lesson—Psalm 104

Hymn—"We Plow the Fields and Scatter"  
*Joseph Barnby*

Call to Prayer

Prayer of Thanksgiving

Petitions for Others and Ourselves

The Offering

Offertory Organ Interlude

Anthem—"Lift Up Your Heads" from *The Messiah* *Handel*

Response—The Doxology

Prayer of Dedication

Sermon—"Harvest Home"

Prayer

Benediction

Choral Response—"Sevenfold Amen" *Stainer*

The Chimes

Closing Organ Voluntary—Trumpet Voluntary *Purcell*

Next Sunday, November 29th, falls within the Thanksgiving Recess period, and for that reason the University Service of Worship will be replaced by Recess Sunday Service. A full hour service is planned, however, and the preacher who is scheduled to deliver the sermon is the Reverend Dr. Howard C. Wilkinson, Chaplain to the University.

### DENOMINATIONAL ANNOUNCEMENTS

#### Film Forum

The third film of the Ecumenical Film Series will be shown Sunday, November 22nd at 7:15 P.M., at the Methodist Student Center. The film will be "Night of the Hunter." Discussion will follow, and all who attend are asked to remain after the film for the discussion.

The last film of the series, "The Quiet One," will be shown on Sunday evening, December 6. The

series is sponsored by the Campus Christian Centers at Duke, and the University Community is invited. There is no admission charge.

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday**, 9:30 A.M., Rides leave for local churches. Coffee and donuts will be served prior to departure. 7:15 P.M., Film Forum at Methodist Center.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday**, 9:15 A.M., Holy Communion; 7:15 P.M., Film Forum at Methodist Center. **Wednesday**, 7:10 A.M., Holy Communion.

The University community is invited to participate in a Thanksgiving Day Service of Holy Communion on Thursday at 9:30 A.M., at the Episcopal Student Center.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday**, 7:15 P.M., Film Forum at Methodist Center. **Monday**, Supper, followed by discussion of the movie, "Night of the Hunter."

**METHODIST CENTER**: (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday**, 9:00 A.M., Seminars: "The Congregation in Mission"; and "Christian Faith and Culture—A Dialogue." 5:30 P.M., Common Meal and report on "Crossroads Africa." 7:15 P.M., Film Forum.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday**, 6:30 P.M., Worship, open to all interested persons. 7:15 P.M., Film Forum at Methodist Center.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday**, 5:30 P.M., at the home of Dr. and Mrs. Robert Smith, 2236 Cranford Road. After supper and a brief business meeting, Mr. Mike Brooks of the North Carolina Fund will speak on, "The War Against Poverty." Rides will leave the Chapel steps and East Campus circle at 5:15 P.M.

### INTERNATIONAL OPEN HOUSE

There will be an International Open House on Sunday, November 22nd at 3:30 p.m. at the International House, 2101 Campus Drive. "A Musical Interlude" will be presented, consisting of a musical program by the Duke Music Society, and folk-singing by students from the Episcopal Student Union. Refreshments will be provided and all interested members of the University Community are cordially invited to attend.

### ZOOLOGY AND BOTANY SEMINAR

The Zoology and Botany Departments will hold their weekly seminar on Monday, November 23rd at 4:15 p.m. in the Biological Sciences Auditorium. Dr. Peter W. Hochachka, Assistant Professor of Zoology, University of Toronto, will speak on "The Isoenzymes of Lactic Dehydrogenase in the Goldfish." Coffee and tea will be served in the foyer at 4:00.

### ART OF INDIA LECTURES

The Program in Comparative Studies on Southern Asia is sponsoring two illustrated lectures on the Art of India by Dr. Stella Kramrisch, Professor of South Asian Art, University of Pennsylvania. On Monday, November 23rd at 4:30 p.m. in Room 130 Building 9,

Professor Kramrisch will speak on "Indian Cave Sculptures" and on Tuesday, at 4:30 p.m. in the same room, she will speak on "The Hindu Temple." The lectures are open to the public.

### JOINT DUKE-UNC NATIONAL SECURITY POLICY SEMINAR

The second meeting of the Joint Duke-UNC National Security Policy Seminar for the academic year will be held on Monday, November 23rd in Room 139 Social Science Building at 7:30 p.m. The speaker, Dr. Franklyn A. Johnson, the author of two volumes on the Committee of Imperial Defense and President of Los Angeles State College, is the world's leading authority on modern British defense organization. He will discuss the changes in British defense organization since the Second World War. This session is open to the public and is sponsored by the Duke University Lecture Fund.

### GRADUATE WIVES CLUB

The bridge group of the Graduate Wives Club will meet Monday, November 23rd at 8:00 p.m. in the Green Room East Duke Building. All who are interested are invited to attend. Refreshments will be served by Mrs. David P. Gagan, Mrs. Ken McCarty, and Mrs. James Smith.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Ghazi Douwaji for the Ph.D. degree in Economics will be held on Tuesday, November 24th at 3:30 p.m. in Room 237 Social Science Building. The subject of Mr. Douwaji's dissertation is "The Tunisian Economy." The committee to conduct the examination consists of Professors C. B. Hoover, F. T. de Vyver, J. J. Spengler, R. S. Smith and Ralph Braibanti. Professor Hoover will preside.

### ACADEMIC COUNCIL MEETING

The regular monthly meeting of the Academic Council for November will be held two days earlier because of the Thanksgiving recess. It will be held on Tuesday, November 24th at 4:00 p.m. in Room 208 Flowers Building. The principal item on the agenda will be a report of the Committee on Faculty and Staff Housing.

### MATHEMATICS COLLOQUIUM

The Mathematics Department will hold its weekly seminar on Tuesday, November 24th at 4:00 p.m. in Room 114 Physics Building. Professor Charles E. Ferguson, Department of Economics, will speak on "The Uses of Mathematics in Economic Theory." The talk will be preceded by tea and coffee at 3:30 in Room 120 Physics Building.

### DURHAM CIVIL CHORAL SOCIETY CONCERT

The annual Fall Concert of the Society will be presented on Tuesday, November 24th at 8:15 p.m. in the Alice M. Baldwin Auditorium of the Woman's College. Sixty-five singers, of whom a number are faculty members of Duke, will sing Handel's oratorio *Judas Maccabaeus*, and will be accompanied by The Triangle Symphony Orchestra. Soloists will be Norma

Heyde, Allan Parrent, John P. Waggoner, Jr., and Waldo Beach.

An additional feature of the program will be a festival of thanksgiving hymns, sung by the chorus and audience to the accompaniment of a boys bell choir of thirty members. Admission is free.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Abraham David Kriegel for the Ph.D. degree in History will be held on Wednesday, November 25th at 2:00 p.m. in Room 234 Allen Building. The subject of Mr. Kriegel's dissertation is "The Whig Government and Ireland, 1830-1835." The committee to conduct the examination consists of Professors W. B. Hamilton, John R. Alden, Harold T. Parker, and Herman Salinger. Professor Hamilton will preside.

### DUKE RADIO PROGRAM

Duke University's radio program, "Challenges in Education," may be heard in this area on Saturday mornings. In Durham, WDNC carries it at 9:55 a.m. and in Raleigh, WPTF offers the program at 11:30 a.m. This week's feature is the "French Corridor," the new program of language study on Duke's Woman's College campus.

### LIBRARY SCHEDULE FOR THANKSGIVING VACATION

General Library:	
Wednesday, November 25th	8:00 a.m.- 5:00 p.m.
Thursday, November 26th	Closed
Friday, November 27th	8:00 a.m.- 5:00 p.m.
Saturday, November 28th	8:00 a.m.- 5:00 p.m.
Sunday, November 29th (Graduate and Undergraduate Rooms only)	2:00 p.m.-11:00 p.m.
Woman's College Library:	
Wednesday, November 25th	8:00 a.m.- 5:00 p.m.
Thursday, November 26th	Closed
Friday, November 27th	9:00 a.m.- 5:00 p.m.
Saturday, November 28th	9:00 a.m.- 1:00 p.m.
Sunday, November 29th	Closed

Schedules of other campus libraries will be posted in those libraries.

### CALENDAR NOTICES

It is requested that all information for the University Weekly Calendar, November 29th-December 5th, be presented to the Calendar office, 202A Flowers Building by 1:00 p.m. Tuesday, November 25th. Please note: all notices must be signed and extension number listed.

### ADVANCE NOTICE ARTISTS SERIES PRESENTS LEONARD ROSE, CELLIST

The Duke University Artists Series will present Leonard Rose, 'cellist virtuoso, in the initial performance of the series on Monday, November 30th at 8:15 p.m. in Page Auditorium. Season tickets have been mailed to all Artists Series patrons. Individual tickets, priced at \$2.50 and \$2.00 are presently available in Room 202A Flowers Building, by writing Box KM, Duke Station, or by calling Extension 2911.

Praise in superlatives has been Leonard Rose's lot since his meteoric thrust into world acclaim as one of the true virtuosos of the 'cello. Said Bruno Walter in farewell to Rose when he left the Philharmonic to



strike out on his own, "Leonard Rose's profound musicianship, technical perfection, his emotional warmth and the rare beauty of his tone have been a joy to me in all the years of our musical association. The cause of the 'cello's musical literature can be in no better hands than his." To which the late Dimitri Mitropoulos added: "I consider Leonard Rose the superlative 'cellist of today. He is the finest I have ever worked with, possessing all the qualities that make a great artist." Rose is sought after at home and abroad for concerts—both in individual recitals and in performances with the world's major orchestras. He is in one a musicians' and a general listening public's 'cellist, satisfying the most rigid requirements of taste, tone and concert poise.

The program follows:

Adagio, from Organ Toccata in C major	Bach-Siloti
Adagio and Allegro in A major	Boccherini
Sonata No. 2 in F major	Brahms
Allegro vivace	
Adagio affettuoso	
Allegro passionato	
Allegro molto	
Intermission	
Sonata No. 2	Martini
Allegro	
Largo	
Allegro comodo	
Fantasy Pieces	Schumann
Delicately and with expression	
Lively and light	
Fast; with fire	
Introduction and Polonaise brillante, Op. 3	Chopin

As in the past, the Student Union will sponsor seminars preceding the concerts at 7:00 p.m. in Room 208 Flowers Building. These seminars will be conducted by members of the Department of Music and will involve a discussion of the art form, the artist, and the specific program. The public is cordially invited to attend these sessions with Professor William Klentz as the initial speaker prior to the Leonard Rose concert

#### WEST GALLERY

Now on view in the gallery of the West Union Building is the Student Union's showing of the First International Miniature Print Exhibition on loan from the Pratt Graphic Art Center, New York City. The exhibit will hang until December 18th and is open to the public without charge.

Over the past few decades the small size or miniature print has almost disappeared. The increasingly large formats preferred by contemporary printmakers in order to compete with oversize paintings, have contributed to this trend. The so-called "Kleinmeister" of the 15th century, the Aldegrevs, Holbeins, and Hollars, later on the Callots the Calverts, Blakes and Bewicks, would most likely be overshadowed by the sheer size and color of prints in any present-day exhibition. And yet we have our own "Kleinmeister" who produce little gems, mostly for their own pleasure, without a chance of ever showing them—except perhaps on the page of a book, on bookplates, colophons or designs for postage stamps. To provide an opportunity for these prints to be shown to the public, a competition was held and the resulting 90 prints are now being circulated to museums and universities. Copies of the prints are available at

nominal prices ranging from \$5. to \$35. and may be secured by writing directly to Andrew Stasik, 4001 48th St., Long Island City 4, New York. The exhibition explores the four basic processes of graphic production, wood cut, engraving, etching, and lithography, as well as numerous variations and derivations in practice that surround these graphic processes.

#### ART EXHIBITIONS EAST GALLERY

Sculptures and drawings by Mr. Troy West will be shown in the gallery in the East Campus Library through December 15th. Mr. West is a member of the faculty of the Department of Architecture at Carnegie Institute of Technology in Pittsburgh.

#### DINING HALL HOURS THANKSGIVING HOLIDAYS—1964

The Gothic Hall will close after lunch on Tuesday, November 24th, and reopen for lunch on Monday, November 30th (with the exception of the buffet on Thanksgiving). The Oak Room will close after dinner on Thursday night, November 26th, and reopen for lunch on Monday, November 30th.

Breakfast	Snack Bar	Lunch	Dinner
<i>Wednesday, November 25th</i>			
		Blue & White Room	
7:00- 9:30	9:30-11:00	11:30- 2:00	(closed)
		University Room	
7:15- 9:15		11:00- 1:30	5:00- 6:30
		Oak Room	
		11:30- 2:00	5:00- 7:00
<i>Thursday, November 26th</i>			
		University Room	
8:00-11:00		11:30- 2:00	(closed)
		Gothic Dining Hall	
			5:00- 7:00 Buffet
		Oak Room	
		11:30- 2:00	5:00- 7:00 (Candlelight)
<i>Friday, November 27th</i>			
		University Room	
7:30- 9:30	9:30-11:00	11:30- 1:30	5:00- 6:30
<i>Saturday, November 28th</i>			
		University Room	
7:30- 9:30	9:30-11:00	11:30- 1:30	5:00- 6:30
<i>Sunday, November 29th</i>			
		Blue & White Room	
8:30-11:00		11:30- 1:30	5:00- 7:00

#### DINING HALL ANNOUNCEMENT

The Duke University Dining Halls will serve the traditional Thanksgiving Day buffet from 5:00 to 7:00 p.m. in the Gothic Dining Hall. Since the event has become so popular with those students who must remain on campus during the holiday period, we have reduced the cost of the Oak Room dinner by fifty cents, where the same menu is offered, to encourage families to use the Oak Room so they may be served more leisurely.

WEEK OF

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# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, November 29

- 9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Dr. Howard C. Wilkinson, Chaplain to the University. Sermon: "Deepen Your Spiritual Insight." Broadcast over Radio Station WDNC and WDNC-FM.  
2:30 p.m. Final Examination of Mr. Allen Rebuck for the Ph.D. degree in Botany. Room 141 Biological Sciences Building.  
3:30 p.m. International Open House. 2101 Campus Drive.

### Monday, November 30

- 4:15 p.m. Botany and Zoology Seminar. Auditorium, Biological Sciences. Speaker: Dr. A. E. DeMaggio.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.  
7:00 p.m. Student Union Pre-Artists Series Seminar: Mrs. Julia Mueller. Room 208 Flowers Building.  
8:15 p.m. Artists Series: Leonard Rose, 'Cellist. Page Auditorium.

### Tuesday, December 1

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. James T. Cleland.  
3:00 p.m. Nuclear Physics Seminar. Room 113 Physics Building. Speaker: Dr. Gertrude S. Goldhaber.

- 3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:00 p.m. Classical Studies Lecture. Room 139 Social Sciences Building. Speaker: Professor Eric G. Turner.  
4:00 p.m. Mathematics Colloquium. Room 114 Physics Building. Speaker: Mr. Leon E. Winslow.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
4:30 p.m. Panel Discussion: "Threepenny Opera." Music Room East Duke Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
7:00 p.m. Duke Sailing Club Meeting. Room 218 Carr Building.  
7:30 p.m. Ex Libris Society Meeting. Blair House. Speaker: Dr. Frank Baker.  
7:30 p.m. Student Union Adventure Series: "Colombia, Gem of South America." Lecturer: Aubert Lavastida.  
8:15 p.m. Varsity Basketball: Duke versus VPI. Greensboro, North Carolina.

### Wednesday, December 2

- 10:10 a.m. Divinity School Chapel. York Chapel. Dr. James T. Cleland.  
3:00 p.m. Joint Duke-UNC Physics Colloquium. Room 114 Physics Building. Speaker: Dr. Maurice Goldhaber.  
4:00 p.m. Plant Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Dr. Edward Newman.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted **IN WRITTEN FORM** to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 6:00 p.m. YWCA Vesper Service. East Duke Chapel. Speaker: Mr. Jack Wilson.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:05 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Major Barbara" by George Bernard Shaw with Rex Harrison, Wendy Hiller, Deborah Kerr, Robert Morley, Robert Newton, and Emlyn Williams. "A complete triumph! Deliciously satanic. Brilliant and stimulating!"—Crowther, *N. Y. Times*.
- 7:30 p.m. Distinguished Visitors Series: Dr. Charles A. W. Manning. Room 208 Flowers Building.
- 8:00 p.m. Graduate Wives Club Meeting. Episcopal Student Center.

### Thursday, December 3

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. James H. Charlesworth.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204. Speaker: Dr. W. Freygang.
- 5:00 p.m. Council on Gerontology Lecture. Room 208 Flowers Building. Speaker: Dr. Stephen Griew.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 6:00 p.m. Angier B. Duke Recognition Dinner. Union Ballroom.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:00 p.m. Josiah C. Trent Society Meeting. 3309 Devon Road. Speaker: Dr. Wiley Forbus.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.
- 8:15 p.m. Phi Beta Kappa Fall Initiation. Italian and D Rooms.

### Friday, December 4

- 9:20 a.m. Cooperative Program in the Humanities Lecture. Room 129 Psychology-Sociology Building. Speaker: Professor Alexander A. Parker.
- 10:10 a.m. Divinity School Chapel. York Chapel. Divinity School Drama Group Presentation.
- 3:00 p.m. International Law Society Address. Law School Courtroom. Speaker: Mr. Heribert Golsong.
- 4:00 p.m. Economics Seminar. Room 130 Sociology-Psychology Building. Speaker: Dr. Eugene Smolensky.
- 4:15-6:00 p.m. Duke Concert Band Practice. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

- 8:00 p.m. Cooperative Program in the Humanities Lecture. Room 130 Psychology-Sociology Building. Speaker: Professor Alexander A. Parker.
- 8:15 p.m. Concert Band Winter Concert. Page Auditorium.

### Saturday, December 5

- 9:55 a.m. Duke Radio Program. WDNC, Durham.
- 11:30 a.m. Duke Radio Program. WPTF, Raleigh.
- 1:00-4:00 p.m. Card Party-Fashion Show. Moose Lodge, Ninth Street.
- 1:30 p.m. Student Union Duplicate Bridge Club: All-Campus Tournament. The Ark.
- 7:05 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Major Barbara" by George Bernard Shaw with Rex Harrison, Wendy Hiller, Deborah Kerr, Robert Morley, Robert Newton, and Emlyn Williams. "A complete triumph! Deliciously satanic. Brilliant and stimulating!"—Crowther, *N. Y. Times*
- 8:15 p.m. Chamber Arts Society: Drole Quartet. Music Room, East Duke Building.
- 8:15 p.m. Varsity Basketball: Duke vs. Michigan. Indoor Stadium. Following game, Student Union Candlelight Cabaret. Union Ballroom.

#### UNIVERSITY SERVICE OF WORSHIP

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, will deliver the sermon at the University Service of Worship on Sunday, November 29th, at 11:00 a.m. in the University Chapel.

The Reverend Professor James T. Cleland, Dean of the Chapel, Presiding Minister.

The preacher who is scheduled to deliver the sermon at the December 6th service will be the Reverend Professor Robert E. Cushman, Dean of the Divinity School and Professor of Systematic Theology.

#### INTERNATIONAL OPEN HOUSE

There will be an International Open House on Sunday, November 29th at 3:30 p.m. at the International House, 2101 Campus Drive. Tea and coffee will be served. The following week, Sunday, December 6th, Mr. Leon Marion, Executive Director of the Southeast Region, World University Service, will give a talk entitled, "What is W.U.S.?"

#### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Allen Laverne Rebuck for the Ph.D. degree in Botany will be held on Sunday, November 29th at 2:30 p.m. in Room 141 Biological Sciences Building. The subject of Mr. Rebuck's dissertation is "Changes in the Structure of Oak-Pine Forest Exposed for Two Years to Chronic Gamma Irradiation." The committee to conduct the examination consists of Professors H. J. Oosting, W. D. Billings, L. E. Anderson, A. W. Naylor and C. W. Ralston. Professor Oosting will preside.

## BOTANY AND ZOOLOGY SEMINAR

The Botany and Zoology Departments will hold their weekly seminar on Monday, November 30th in the auditorium of the Biological Sciences Building at 4:15 p.m. Dr. A. E. DeMaggio, Department of Biology, Dartmouth College, will speak on "Morphogenetic Studies on the Alternation of Generations." Dr. DeMaggio did his doctoral research with Professor Ralph Wetmore, and received his Ph.D. degree from Harvard University in 1959. Prior to his recent move to Dartmouth College, he was on the staff of Rutgers University (N.J.). His research interests are in experimental botany with particular emphasis on morphogenesis and tissue culture. Refreshments will be served in the foyer at 4:00 p.m.

## NUCLEAR PHYSICS SEMINAR

There will be a Nuclear Physics Seminar on Tuesday, December 1st in Room 113 Physics Building at 3:00 p.m. The speaker will be Dr. Gertrude Scharff Goldhaber, Senior Physicist at Brookhaven National Laboratory, Upton, Long Island, New York. Her subject will be "Studies of Odd-Odd Nuclei." Dr. Goldhaber earned her Ph.D. degree at Munich in 1935. A former professor at the University of Illinois, she has been doing research in nuclear physics at Brookhaven since 1950. These studies have led to new insight into the systematic classification of nuclear energy levels and hence nuclear structure.

## CLASSICAL STUDIES LECTURE

Professor Eric G. Turner, Professor of Papyrology in the University of London and recently Director of its Institute of Classical Studies, will be the guest of the Department of Classical Studies Monday and Tuesday, November 30th and December 1st. One of the most distinguished papyrologists in the world, Professor Turner was educated at Magdalen College, Oxford, and has taught in the University of Aberdeen and University College, London. Chairman of the Egypt Exploration Society, he has for many years been general editor of its *Graeco-Roman Memoirs* and the monumental series, *The Oxyrhynchus Papyri*.

At 4:00 p.m. Tuesday, December 1st, in Room 139 Social Sciences Building, Professor Turner will give a public lecture entitled "Menander's Unpopular Man: an Essay in Literary Reconstruction," a discussion of the extensive new fragments of the *Misoumenos* which he has just discovered. To this lecture the members of the University are cordially invited. On Monday afternoon and Tuesday morning he will hold seminar discussions at Duke and Chapel Hill on editing and interpreting Greek literary papyri; those interested may contact the Department of Classical Studies for further details.

## ARTISTS SERIES PRESENTS LEONARD ROSE, CELLIST

The Duke University Artists Series will present Leonard Rose, 'cellist virtuoso, in the initial performance of the series on Monday, November 30th at 8:15 p.m. in Page Auditorium. Season tickets have been mailed to all Artists Series patrons. Individual

tickets, priced at \$2.50 and \$2.00 are presently available in Room 202A Flowers Building, by writing Box KM, Duke Station, or by calling Extension 2911.

Praise in superlatives has been Leonard Rose's lot since his meteoric thrust into world acclaim as one of the true virtuosos of the 'cello. He is sought after at home and abroad for concerts—both in individual recitals and in performances with the world's major orchestras. He is in one a musicians' and a general listening public's 'cellist, satisfying the most rigid requirements of taste, tone and concert poise.

The program follows:

Adagio, from Organ Toccata in C major	Bach-Siloti
Adagio and Allegro in A major	Boeccherini
Sonata No. 2 in F major	Brahms
Allegro vivace	
Adagio affettuoso	
Allegro passionato	
Allegro molto	
Intermission	
Sonata No. 2	Martinu
Allegro	
Largo	
Allegro commodo	
Fantasy Pieces	Schumann
Delicately and with expression	
Lively and light	
Fast; with fire	
Introduction and Polonaise brillante, Op. 3	Chopin

As in the past, the Student Union will sponsor seminars preceding the concerts at 7:00 p.m. in Room 208 Flowers Building. These seminars will be conducted by members of the Department of Music and will involve a discussion of the art form, the artist, and the specific program. The public is cordially invited to attend these sessions with Professor Julia Mueller as the initial speaker prior to the Leonard Rose concert.

## "THREEPENNY OPERA" PANEL DISCUSSION

The Duke Players and the Department of Music will sponsor a Panel Discussion on the "Threepenny Opera," by Kurt Weill on Tuesday, December 1st in the Music Room East Duke Building at 4:30 p.m. The background history and music of the original Brecht-Weill work and the coming production at Duke will be dealt with informally by Professors Iain Hamilton and John Hanks of the Department of Music, Victor Michalak of the Duke Players, Leland Phelps of the Department of German and George Williams of the Department of English. All are invited to attend.

## INTERNATIONAL LAW SOCIETY ADDRESS

Mr. Heribert Golsong, Registrar of the European Court of Human Rights, will discuss the *International Protection of Human Rights* on Friday, December 4 at 3:00 p.m. in the Duke Law School courtroom. The address is sponsored jointly by the Duke International Law Society and the Political Science Department Graduate Seminars.

The European Court of Human Rights is the first international tribunal established to hear grievances of individuals against their own countries, and as such is a controversial experiment. One of the leading civil



servants of the new European Communities, Mr. Golsong is charged with all the administrative work of the Court and with the provision of much of the background material that goes into the judicial opinions. He has also worked with the Commission on Human Rights and on legal projects of the Council of Europe.

The address will be open to the public.

### MATHEMATICS COLLOQUIUM

The Mathematics Department will hold a seminar on Tuesday, December 1st at 4:00 p.m. in Room 114 Physics Building. Mr. Leon E. Winslow will speak on "Jordan Structures for Bounded Linear Transformations in Hilbert Space." The talk will be preceded by tea and coffee at 3:30 p.m. in Room 120 Physics Building.

### DUKE SAILING CLUB MEETING

The Duke Sailing Club Meeting will be held Tuesday, December 1st at 7:00 p.m. in Room 218 Carr Building. The racing team captain will discuss tactics, and elections will be held. Members are requested to attend and all interested persons are invited.

### EX LIBRIS SOCIETY MEETING

The Ex Libris Society, Book Collectors at Duke University, will hold its Winter 1964 meeting on Tuesday, December 1st at 7:30 p.m. in The Pine Room, Blair House (formerly Schrafft's Country Inn) on the Durham-Chapel Hill Highway. Dr. Frank Baker will speak on the formation of his great Wesley Collection, now housed in Duke University Library.

### STUDENT UNION ADVENTURE SERIES "COLOMBIA, GEM OF SOUTH AMERICA"

Aubert Lavastida will initiate the Student Union Adventure Series with his film-lecture on "Colombia, Gem of South America" on Tuesday, December 1st at 7:30 p.m. in Page Auditorium. Season tickets will be available at the Box Office on the evening of the program and are presently being sold in 202A Flowers. Season tickets for the four programs are priced as follows: Adults—\$3.00; All students—\$2.25; Children (12 and under)—\$1.50; Family (2 adults and 2 children)—\$7.50. Single admissions are \$1.00 (adults); 75c (all students) and 50c (children 12 and under).

South America's gem country, Colombia, has been filmed by Aubert Lavastida from the Andes to the sea. Colombia is rough cut in many respects, polished in others. Warm in its Peace Corps hospitality, its own inner temperament boils over in Latin American mixtures of violence and vigor. In a setting of beauty, it is beset with blemishes, struggles that are inherent in man's efforts to lift his levels of living and learning. Aubert Lavastida brings to North America audiences a greater understanding of our nearest South American neighbor. In a film study of unusual and little known aspects of Colombia, he points up the wisdom of our examining more carefully the many "gems" in that part of our hemisphere.

Aubert Lavastida is well qualified to speak authori-

tatively on South American countries. His own Latin background, home, and language abilities facilitate a friendly reception and feeling of kinship. As a boy he accompanied his father on international speaking tours. Later he studied speech and anthropology, received his undergraduate degree at the University of Connecticut, and his graduate degree at the University of Michigan. His training in anthropology provides a deep insight into social mores and customs. As a professional film maker Mr. Lavastida is Director of Motion Picture Production of the Audio-Visual Education Center, of the University of Michigan. He has become known for the authenticity and educational content of his world knowledge films.

The remaining programs include:

Tuesday, March 2, 1965, "Yankee Sails the Nile" with Capt. Irving M. Johnson.

Monday, March 15, 1965, "Wonders of the Deep" with Geza de Rosner.

Thursday, April 22, 1965, "Russia and its People" with Raphael Green.

### JOINT DUKE-UNC PHYSICS COLLOQUIUM

The Joint Duke-UNC Physics Colloquium will meet Wednesday, December 2nd at 3:00 p.m. in Room 114 Physics Building. The speaker will be Dr. Maurice Goldhaber, Director of the Brookhaven National Laboratory, Upton, Long Island, New York. His subject will be "Neutrinos." Dr. Goldhaber is Director of the world's largest laboratory devoted to pure research. He earned his Ph.D. degree under Rutherford and Chadwick at Cambridge University where the Cavendish Laboratory was the outstanding center of nuclear physics. Dr. Goldhaber was Professor of Physics at the University of Illinois before moving to Brookhaven in 1950. After doing research in nuclear physics for some time, in recent years he has turned his attention to studies of fundamental particles and high energy physics. His talk here is about neutrinos, which are perhaps the most elusive particles of all, since they have no mass and no charge and scarcely interact with matter.

### PLANT ECOLOGY SEMINAR

The Plant Ecology Seminar will be held on Wednesday, December 2nd, at 4:00 p.m. in Room 144 Biological Sciences Building. Dr. Edward Newman, Research Associate from the University College of Wales, Aberystwyth, Wales, will speak on "Competitive Ability in Plants."

### GRADUATE WIVES CLUB MEETING

The Sewing Group of the Graduate Wives Club will meet Wednesday, December 2nd at 8:00 p.m. at the Episcopal Student Center on Alexander Avenue. All interested graduate wives and students are invited. Hostesses will be Mrs. J. W. Chapman, Mrs. Donald Davis, and Mrs. Arnold Lopez-Cepero.

### PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, December 3rd at 4:00 p.m. in Room M-204. The speaker will be Dr. W.

Freygang, Laboratory of Neurophysiology, National Institute of Mental Health, Bethesda, Maryland. He will speak on "Models and Muscle Membranes."

**STUDENT UNION  
DISTINGUISHED VISITORS SERIES  
DR. CHARLES A. W. MANNING**

The Student Union will present Dr. Charles A. W. Manning, Montague Burton Professor Emeritus of International Relations, London School of Economics, University of London, as the second speaker in the Distinguished Visitors Series. Professor Manning will discuss "South Africa and the World Today" on Wednesday, December 2nd at 7:30 p.m. in Room 208 Flowers Building.

Dr. Manning, a noted Conservative, has published several books, the most recent being *The Nature of International Society*, and currently the October issue of the American Quarterly on Foreign Affairs is featuring his most recent article, "In Defense of Apartheid." Professor Manning is the chairman of the South Africa Society—a non-political body which has as its aim the presentation and explanation of the very complex factors at present influencing and underlying the whole South African situation.

The public is extended a cordial invitation to hear Professor Manning's views.

**COUNCIL ON GERONTOLOGY SEMINAR**

The Duke University Council on Gerontology will present a lecture on Thursday, December 3rd at 5:00 p.m. in Room 208 Flowers Building. Dr. Stephen Grew, Professor of Psychology, University of Otago, New Zealand, will discuss "Anticipating Events in an Uncertain World: A Theory Concerning the Psychological and Work Performance of Older People." The public is invited to attend this lecture.

**ANGIER B. DUKE  
RECOGNITION DINNER**

A dinner honoring the Angier B. Duke Scholars in residence will be given on Thursday, December 3rd at 6:00 p.m. in the Union Ballroom of West Union Building. Ken Bass of Wilmington, Delaware, senior in Trinity College will address the group. Mr. Bass is an Angier B. Duke Scholar, Chairman of the Men's Judicial Board, a member of Phi Beta Kappa, Omicron Delta Kappa and Red Friars.

**JOSIAH C. TRENT  
SOCIETY MEETING**

The Josiah C. Trent Society for the History of Medicine will meet Thursday, December 3rd at 8:00 p.m. at the home of Dr. and Mrs. Wiley D. Forbus, 3309 Devon Road. Dr. Forbus will speak on the French pathologist Jean Cruveilhier and his times. Those planning to attend, please notify Mr. Kelly in the Trent Room of the Medical Center Library, Extension 3505.

**PHI BETA KAPPA INITIATION**

Beta of North Carolina Chapter of the Phi Beta Kappa Society will hold its Fall Initiation on Thursday, December 3rd in the "D" Room, West Campus Union, at 8:30 p.m., following the Angier B. Duke Recognition Dinner. Duke Visiting Humanities Pro-

fessor Berthold Louis Ullman, the Kenan Professor Emeritus of Classics at University of North Carolina, will address the members and initiates on "Mediocrity." Initiates will report to the Italian Room at 8:15 p.m.; old members will go directly to the D Room.

**COOPERATIVE PROGRAM IN  
THE HUMANITIES**

The Cooperative Program in the Humanities, in conjunction with the Departments of Romance Languages at Duke and the University of North Carolina will sponsor a series of lectures by Alexander A. Parker, Professor of Hispanic Studies at the University of Edinburgh and Visiting Mellon Professor at the University of Pittsburgh. The first lecture will be held on Friday, December 4th at 9:20 a.m. in Room 129 Psychology-Sociology Building. The subject will be "The Background to the Literature of the Spanish Golden Age." All interested undergraduates are invited. The second lecture will be held that same evening at 8:00 p.m. in Room 130 Psychology-Sociology Building and the topic will be "Literature and the Delinquent: the Picaresque Novel in Spain, France, and England." All members of the University Community and the general public are invited. A third lecture will be held Monday, December 7th at 8:00 p.m. in the Faculty Lounge of Dey Hall, UNC. Professor Parker will speak on "Christian Values in the Drama: Calderón's *El príncipe constante*." All interested persons are invited to attend this lecture.

**ECONOMICS SEMINAR**

The Department of Economics and Business Administration will hold an Economics Seminar on Friday, December 4th at 4:00 p.m. in Room 130 Sociology-Psychology Building. Dr. Eugene Smolensky, Lilly Faculty Fellow, University of Chicago, will speak on "The Conception of Cities."

**DUKE RADIO PROGRAM**

"Challenges in Education," Duke's weekly radio program, is heard in this area on WPTF in Raleigh and WDNC in Durham. Both stations schedule the program for Saturday mornings; WPTF at 11:30 a.m. and WDNC at 9:55 a.m. This week Professor John Friedrich of the Physical Education Department talks about the need for regular physical activity in modern living.

**CHRISTMAS PROGRAMS**

The Chapel Choir will offer its annual presentation of Handel's *The Messiah*, in the University Chapel, Sunday afternoon and Monday evening, December 6th and 7th. The Duke-Durham community is asked to attend the Monday evening presentation, in order that guests from across the state may find seats at the Sunday afternoon presentation.

On Sunday evening, December 13th, the annual service, "Christmas in Word and Music," will be presented in the University Chapel. The public is cordially invited to attend these Christmas programs.

**CARD PARTY-FASHION SHOW**

The Card Party-Fashion Show of the Nursing School Class of 1966 will be held on Saturday, Decem-



ber 5th from 1:00 to 4:00 p.m. in Moose Lodge. All interested are invited to attend. The Fashion Show will be presented by Thalhimers and there will be door prizes and refreshments. Tickets are available through any member of the Nursing School Class of 1966.

### CONCERT BAND WINTER CONCERT

The Department of Music will present the Winter Concert of the Duke Concert Band, Paul Bryan, Conductor, on Friday, December 4th at 8:15 p.m. in Page Auditorium. Featured on the program will be "Pictures at an Exhibition" by Modest Mussorgsky-Eric Leidzen. Admission will be by presentation of a season ticket or purchase of a single admission ticket: \$1.00 at the door or \$.50 during the advance sale in Room 106 Asbury Building. The University Community and the general public are cordially invited to attend. The program follows:

Overture to <i>The Tsar's Bride</i>	Nicholas Rimsky-Korsakov
Eight Russian Folk Songs, Opus 58	Anatole Liadov
I. Religious Chant	
II. Christmas Song	
III. Lament	
IV. Round Dance	
V. The Legend of the Birds	
VI. Lullaby	
VII. Comic Dance	
VIII. Choral Dance	
Polonaise from <i>The Christmas Night</i>	Nicholas Rimsky-Korsakov

### INTERMISSION

Pictures at an Exhibition	Modest Mussorgsky-Eric Leidzen
I. Promenade	
II. The Old Castle	
III. Promenade	
IV. Tuilleries (Children Quarreling at Play)	
V. Bydlo	
VI. Promenade	
VII. Ballet of the Unhatched Chickens	
VIII. The Market Place at Limoges (French Market-women Quarreling)	
IX. Catacombs	
X. The Hut of the Baba-Yaga	
IX. The Great Gate of Kiev	

### STUDENT UNION HOLDS ALL-CAMPUS BRIDGE TOURNAMENT

An all-campus Bridge Tournament will be held by the Student Union Duplicate Bridge Club on Saturday, December 5th at 1:30 p.m. in the Ark on East Campus. All members of the University Community are eligible for play and master point awards are not restricted. Trophies will be awarded in four undergraduate areas: independent women, independent men, sorority and fraternity organizations.

### CHAMBER ARTS SOCIETY DROLC QUARTET

The Chamber Arts Society announces the third concert of its season, to be played by the Drole String Quartet of Berlin, Saturday, December 5th in the Music Room East Duke Building at 8:15 p.m. The musicians are Eduard Drole and Walter Peschke (Violins), Stefano Passaggio (Viola) and Georg Donderer (Cello). The program follows:

Beethoven	Quartet in F major, Opus 18, No. 1
Doris Blacher	Quartet No. 3 (1949), Opus 32
Smetana	Quartet No. 1 in E minor ("From My Life")

Other chamber music concerts scheduled this season include:

Saturday, February 13	Pasquier Trio (Paris)
Saturday, March 13	Juilliard Quartet
Saturday, April 17	Fine Arts Quartet

Admission is by Membership Card or Guest Card. Guest card for single admission to any one concert costs \$2.50; those not reserved in advance (usually about 50 remain unreserved) may be obtained at the door from 7:30 to 8:00 p.m. on concert evenings. The Chamber Arts Society is a non-profit organization; membership is open to all persons. Inquiries may be addressed to Chamber Arts Society, % Ernest W. Nelson, Box 6065 College Station, Durham, North Carolina.

### Fall 1964-1965

### Duke University

### OFFICIAL EXAMINATION SCHEDULE

ANY STUDENT HAVING A SCHEDULE OF THREE EXAMINATIONS WITHIN TWENTY-FOUR HOURS OR TWO EXAMINATIONS AT THE SAME TIME MUST REPORT TO THE DEAN'S OFFICE NOT LATER THAN DECEMBER 19, 1964 TO REQUEST A CHANGE IN SCHEDULE.

Friday January 15	7:00- 8:00 p.m.	Physical Education
Monday January 18	Reading Period	No examination schedule
Tuesday January 19	9:00-12:00 noon 2:00- 5:00 p.m.	MWF 2 Freshman Math (11, 17, 21, 22, 41)
	7:00-10:00 p.m.	TT 7
Wednesday January 20	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 1-Greek Myth French & Spanish 63 MWF 7 & Economics 1
Thursday January 21	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Chemistry 1 TTS 4 Philosophy 48
Friday January 22	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Air Science & Naval Science Botany 1 TTS 3
Saturday January 23	9:00-12:00 noon 2:00- 5:00 p.m.	History 1, 1X MWF 3
Monday January 25	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 4 English 1 TTS 1
Tuesday January 26	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	MWF 5 Political Science 11, 11X, 61 Physics 1, 41
Wednesday January 27	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Zoology 1 TT 6 All Language 1
Thursday January 28	9:00-12:00 noon 2:00- 5:00 p.m. 7:00-10:00 p.m.	Engineering 1.1-1.4 TTS 2, Engineering 1.5-1.7 Religion 1, 1X
Friday January 29	9:00-12:00 noon 2:00- 5:00 p.m.	MWF 6 Philosophy 41, 42

ENGINEERING COURSES, OTHER THAN ENGINEERING 1, WILL MEET FOR EXAMINATION AT THE REGULAR CLASS PERIODS.

Chemistry (except Chemistry 1) and Zoology (except Zoology 1) classes meet for examination at the time scheduled for their general lecture period. ANY EXAMINATION NOT COVERED IN THE FOREGOING SCHEDULE IS TO BE ARRANGED BY THE INSTRUCTOR IN CHARGE OF THE COURSE IN THE PERIOD BEGINNING January 19, 9:00 a.m. AND ENDING January 29, 5:00 p.m. NO EXAMINATION IS TO BE GIVEN BEFORE 9:00 a.m., January 19, WITH THE EXCEPTION OF PHYSICAL EDUCATION. NO CHANGE IS TO BE MADE IN ANY SCHEDULED EXAMINATION WITHOUT THE APPROVAL OF THE COMMITTEE.

University Schedule Committee

WEEK OF  
Dec. 6-12, 1964

# CALENDAR OF

WEEK OF  
Dec. 6-12, 1964

# DUKE UNIVERSITY



## Events of the Week

### Sunday, December 6

Denominational Meetings. See special notice.

- 9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: The Reverend Professor Robert E. Cushman, Dean of the Divinity School. Sermon: "Promise and Judgment." Broadcast over Radio Station WDNC and WDNC-FM.  
3:30 p.m. International Open House. 2101 Campus Drive. (at 4:30) Speaker: Mr. Leon Marion.  
4:00 p.m. Chapel Choir Concert: "The Messiah." University Chapel.

### Monday, December 7

- 1:00 p.m. NROTC Memorial Service. Main Quadrangle.  
4:15 p.m. Zoology and Botany Seminar. Auditorium Biological Sciences Building. Speaker: Dr. Richard B. Root.  
4:30 p.m. Student Union Distinguished Visitors Series: Laurence Gandar. Room 208 Flowers Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.  
7:00 p.m. Chapel Choir Concert: "The Messiah." University Chapel.

- 8:00 p.m. Graduate Wives Club Book Group. 2816 W. Cornwallis Road.  
8:00 p.m. Erasmus Club Meeting. Green Room, East Duke Building. Speaker: Mr. Barry Hannegan.

### Tuesday, December 8

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Richard A. Goodling.  
12:30 p.m. Kappa Delta Pi Luncheon. Men's Graduate Center. Speaker: Miss Nerda Mitchell.  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:00 p.m. Forest Ecology Seminar. Room 111 Biological Sciences Building. Speaker: Dr. Walter J. Peterson.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
8:00 p.m. Graduate Wives Club Book Group. 2405 B Vesson Street.

### Wednesday, December 9

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor Richard A. Goodling.  
11:00 a.m. Divinity School Lecture. York Chapel. Speaker: Mr. William Stringfellow.  
2:00 p.m. Joint Duke-UNC Physics Colloquium. Room 114 Physics Building. Speaker: Dr. Peter Richards.

**IMPORTANT**—Notices for the Duke University Calendar should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Wednesday. Extension 2911.



- 4:00 p.m. Plant Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Mr. Rodger Parrott.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 6:00 p.m. YWCA Vesper Service. East Duke Chapel. Speaker: Reverend Dr. Boyd Daniels.
- 6:45 p.m. Gothic Book Shop Auction. Room 208 Flowers Building. (Display open at 9:00 a.m.)
- 7:00 p.m. Student Union Duplicate Bridge Club. Green Room East Duke Building.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Phaedra" with Melina Mercouri, Anthony Perkins, and Raf Vallone. Directed by Jules Dassin. "'Phaedra' is honest, beautiful and terrifying. Proves that antique Greek tragedy can be done as modern cinema brilliantly and meaningfully."—*Time Magazine*.
- 8:00 p.m. "Duke Debates with Oxford." Music Room East Duke Building.
- 8:15 p.m. Duke Players-Music Department Performance: "Threepenny Opera." Branson Hall.

## Thursday, December 10

- 10:00 a.m. Newcomer's Club Meeting. YWCA, 515 West Chapel Hill Street.
- 10:00 a.m. International Law Society. Law School Courtroom. Speaker: Harold E. Stassen.
- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Harold Jayroe.
- 11:30 a.m. Engineering Lecture. Auditorium Engineering Building. Speaker: Mr. Harold L. Flowers.
- 1:30 p.m. Open Discussion: Harold E. Stassen. Law School Main Lounge.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:00 p.m. Student Union Pre-Artists Series Seminar. Room 208 Flowers Building. Speaker: Lucia Chase, Director of the American Ballet Theatre.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. Artists Series: American Ballet Theatre. Page Auditorium.
- 8:15 p.m. Varsity Basketball. Duke versus Navy. Baltimore, Maryland.
- 8:15 p.m. Duke Players-Music Department Performance: "Threepenny Opera." Branson Hall.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty

children will be admitted only when accompanied by their parents.

## Friday, December 11

- 10:10 a.m. Divinity School Chapel. York Chapel. Christmas Concert: Divinity School Choir.
- 11:00 a.m. Founder's Day Memorial Service. Memorial Chapel.
- 3:00 p.m. Political Science Graduate Seminar. Room 208 Flowers Building. Speaker: Mr. Joseph Zikmund.
- 4:00 p.m. Psychology Colloquium. Room 130 Psychology-Sociology Building. Speaker: Dr. Charles Seashore.
- 4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.
- 8:15 p.m. Duke Players-Music Department Performance: "The Threepenny Opera." Branson Hall.

## Saturday, December 12

- 9:55 a.m. Duke Radio Program. WDNC, Durham.
- 11:30 a.m. Duke Radio Program. WPTF, Raleigh.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "Phaedra" with Melina Mercouri, Anthony Perkins, and Raf Vallone. Directed by Jules Dassin. "'Phaedra' is honest, beautiful and terrifying. Proves that antique Greek tragedy can be done as modern cinema brilliantly and meaningfully."—*Time Magazine*.
- 8:15 p.m. Varsity Basketball. Duke versus South Carolina. Indoor Stadium. Following Game: Student Union Candlelight Caberet. Union Ballroom.
- 8:15 p.m. Duke Players-Music Department Performance: "Threepenny Opera." Branson Hall.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor Robert E. Cushman, Dean of the Divinity School, will deliver the sermon at the University Service of Worship on Sunday, December 6th, at 11:00 a.m. in the University Chapel. The order of worship follows:

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, Presiding Minister.

Opening Organ Voluntary—

"How Brightly Shines the Morning Star" *Buxtehude*

"How Brightly Shines the Morning Star" *William Klenz*

"In Dulci Jubilo" *J. S. Bach*

"In Dulci Jubilo" *Marcel Dupré*

Choral Call to Worship—"Fanfare for Christmas Day" *Martin Shaw*

Hymn of Adoration—"O Come, O Come, Immanuel" *Ancient Plain Song, 13th Century*

Prayers of Confession and for Pardon  
Words of Assurance  
The Lord's Prayer  
Anthem—"For Unto Us A Child Is Born" From *The Messiah*  
*Handel*

Scripture Lesson—Matthew 25:31-41  
Hymn—"Hail, to the Lord's Anointed"  
*Gesangbuch der Herzog*

Call to Prayer  
Prayer of Thanksgiving  
Petitions for Others and Ourselves  
The Offering  
    Offertory Organ Interlude  
    Anthem—"He Trusted in God" from *The Messiah* *Handel*  
    Response—The Doxology  
Prayer of Dedication  
Sermon—"Promise and Judgment"  
Prayer  
Benediction  
Choral Response—"Sevenfold Amen" *Stainer*  
The Chimes  
Closing Organ Voluntary—Fantasia on "In Dulci Jubilo"  
*J. S. Bach*

The preacher who is scheduled to deliver the sermon at the December 13th service will be the Reverend Professor James T. Cleland, Dean of the Chapel.

## DENOMINATIONAL ANNOUNCEMENTS

### Film Forum

The last film of the Ecumenical Film Series will be shown tonight at 7:15 P.M., at the Methodist Student Center. The film will be "The Quiet One," a study of a mentally disturbed boy. Discussion will follow, and all who attend are asked to remain after the film for the discussion. The series is sponsored by the Campus Christian Centers at Duke, and the University community is invited. There is no admission charge.

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday, 9:30 A.M.**, Rides leave for local churches. Coffee and donuts will be served prior to departure. **7:15 P.M.**, Film Forum at Methodist Center. **Friday, 6:00 P.M.**, Supper-Forum, followed by worship.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill): **Sunday, 9:15 A.M.**, Holy Communion; **7:15 P.M.**, Film Forum at Methodist Center. **Monday, 8:15 P.M.**, Episcopal Center Council. **Wednesday, 7:10 A.M.**, Holy Communion. **Thursday, 5:30 P.M.**, Holy Communion.

### Instructed Service of Holy Communion

On Sundays, December 6 and 13, the Service of Holy Communion at the Episcopal Center will be interspersed with comments on the service. These two services are especially designed for those who wish to understand more fully the service of Holy Communion. All members of the University community are cordially invited to attend.

### Advance Notice—Christmas Dinner and Carol Sing

The Episcopal Center will hold its annual Christmas dinner and carol sing on Sunday, December 13, at 6:00 P.M. All members of the University community are cordially invited to participate.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday, 6:30 P.M.**, Lutheran students are invited to the Patton's home for supper, followed by a discussion on "What's Wrong With

Duke?" **Monday, 5:30 P.M.**, Supper at M.G.C., followed by discussion of **Children of Light and Children of Darkness**, by Reinhold Niebuhr.

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 9:00 A.M.**, Breakfast-Seminars: "The Congregation in Mission" and "A Dialogue: Faith and Culture." **6:00 P.M.**, Evening Prayer; **7:15 P.M.**, Film Forum.

A photography exhibit, courtesy of the **Charlotte Observer**, is on display in the lobby of the Methodist Center through the end of December. Outstanding examples of the photographic art are included in the exhibit.

There will be a Christmas dinner for students, faculty and their families at the Methodist Center on December 13 at 5:00 P.M. Wesley Players will present a medieval mystery play during the evening. Cost of the dinner is \$1.00 for adults and \$.50 for children 12 and under. Reservations should be made by calling the Center at 286-9230. The University community is invited.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 6:30 P.M.**, Worship; **7:15 P.M.**, Film Forum at Methodist Center.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.**, at the Durham Congregational Christian Church. After supper and a brief business meeting the group will go to the Methodist Center for the Film Forum. Transportation will leave the Chapel steps and East Campus circle at 5:15 P.M.

**GRADUATE-FACULTY NEWMAN SOCIETY**: **Sunday, 7:30 P.M.**, Meeting Room of the Immaculate Conception Church. The Deputy will be discussed by Dr. D. E. Ginter.

## HILLEL MEETINGS

The Hillel Foundation will hold a Hanukkah Party on Sunday, December 6th at 6:30 p.m. at the Hillel House in Chapel Hill. Traditional holiday food will be served and entertainment will include a hootenany and dancing. The party is free for members and 75¢ for non-members. Contact Nancy Short or Pat Horwitz at 3721 for reservations and/or transportation.

The regular Hillel service will be held on Friday, December 11th at 7:30 p.m. in Room 204 Flowers Building.

## INTERNATIONAL OPEN HOUSE

There will be an International Open House on Sunday, December 6th at 3:30 p.m. 2101 Campus Drive. At 4:30, Leon Marion, Executive Director of the Southeast Region, World University Service will give a talk entitled "What is W.U.S.?" Refreshments will be served.

The Triangle Theatre has extended an invitation to all international students to attend a preview showing of "The Dukes" on Sunday evening, December 6th. Transportation will be provided from the International House at 7:10 p.m. and the performance begins at 7:30.



At the Open House next week, December 13th, the Christmas tree at the International House will be decorated with the assistance of the Durham Girl Scout Troop 126.

#### UNIVERSITY CHAPEL CHOIR PRESENTS "THE MESSIAH"

George Frederick Handel's *The Messiah* will be performed on Sunday, December 6th at 4:00 p.m. and on Monday evening, December 7th at 7:00 p.m. in the University Chapel. This marks the thirty-second annual presentation of Handel's celebrated oratorio by the Choir of the Duke Chapel. Professor Paul Young, Director of Choral Activities at the University, will conduct the choir; Mildred L. Hendrix, University Organist, will serve as organist; and Mr. James Young, Assistant Director of Choral Activities, will be the harpsichord accompanist.

Three of the soloists will be making their initial appearances at Duke: mezzo-soprano Doris Mayes, winner of the Marian Anderson Award; Stanley Kolk, tenor, and Thomas Paul, leading basso with the New York City Opera Co., Alice Riley, soprano of Chicago, who has appeared at Duke in the 1963 performance of the Fauré "Requiem" and last May in the "Elijah" by Mendelssohn, will be the fourth soloist.

The Duke-Durham Community is asked to attend the Monday evening presentation in order that guests from across the state may find seats at the Sunday afternoon presentation.

#### NROTC MEMORIAL SERVICE

The Duke NROTC Unit will conduct a Memorial Service on the Main Quadrangle facing the library on Monday, December 7th at 1:00 p.m. This Service will be held in remembrance of all Americans killed at Pearl Harbor on December 7th, 1941.

#### ZOOLOGY AND BOTANY SEMINAR

The Zoology and Botany Departments will hold their weekly seminar on Monday, December 7th in the Auditorium of the Biological Sciences Building at 4:15 p.m. Dr. Richard B. Root, Assistant Professor of Entomology and Limnology, Cornell University, will speak on "Niche Exploitation Patterns in Insectivorous Birds." Coffee and tea will be served in the foyer at 4:00 p.m.

#### STUDENT UNION DISTINGUISHED VISITORS SERIES LAURENCE GANDAR OF SOUTH AFRICA

In a continuation of the probing into the complex problems existing in South Africa, the Student Union will present Laurence Gandar of Johannesburg, South Africa as the third speaker in the Distinguished Visitors Series. Mr. Gandar will speak at an open seminar on Monday, December 7th at 4:30 p.m. in Room 208 Flowers Building.

A graduate of the University of Natal in Durban, South Africa, Mr. Gandar was formerly associated with the Anglo-American Corporation and is now editor of the *Rand Daily Mail*, the largest English language newspaper in South Africa. He is currently visiting the U.S. on a Carnegie Grant.

#### GRADUATE WIVES CLUB MEETING

There will be two meetings of the Book Groups of the Graduate Wives Club. The first will be Monday, December 7th at 8:00 p.m. at the home of Mrs. John Gamble, 2816 W. Cornwallis Road. The selection under discussion will be "Who's Afraid of Virginia Woolfe" and the leader will be Mrs. C. Townsend Ludington. The second meeting will be Tuesday, December 8th at 8:00 p.m. at the home of Mrs. David Sellin, 2405 B Vesson Street. The selection under discussion will be "The Fountainhead" by Ayn Rand, led by Mrs. Michael C. Andrews. Anyone interested is invited to attend these meetings.

#### ERASMUS CLUB MEETING

The Erasmus Club will meet at 8:00 p.m. on Monday, December 7th in the Green Room East Duke Building. Mr. Barry Hannegan, Gallery Director and Visiting Instructor in the Department of Art, will speak on "The Years of Brocade Mist: Painting in Italy Around 1700." Faculty and graduate students are invited to attend.

#### KAPPA DELTA PI LUNCHEON

The final Education Luncheon of the Fall Semester will be held on Tuesday, December 8th at 12:30 p.m. in the Men's Graduate Center. Miss Nerda Mitchell, Supervisor of Elementary Education, State Department of Public Instruction, will discuss "Recent Developments in Elementary Education in North Carolina." The public is invited, no reservation is required.

#### FOREST ECOLOGY SEMINAR

The School of Forestry will sponsor a Seminar on Tuesday, December 8th at 4:00 p.m. in Room 111 Biological Sciences Building. Dr. Walter J. Peterson, Dean of the Graduate School, North Carolina State College, will speak on "The University as a Center of Research Activity: Its Obligations and Interactions." A native of Michigan, Dr. Peterson received B.S. and M.S. degree at Michigan State University and his Ph.D. Degree in Chemistry at the University of Iowa. In 1949 he became Head of the Department of Chemistry at North Carolina State. Michigan State University honored him in 1955 with a Centennial Award "For distinguished services in behalf of mankind." In 1959 he became Dean of the Graduate School at North Carolina State where he is also a William Neal Reynolds Distinguished Professor of Chemistry.

#### DIVINITY SCHOOL LECTURE

Mr. William Stringfellow, New York City Attorney at Law and Episcopalian layman, will be the guest lecturer on Wednesday, December 9th at 11:00 a.m. in York Chapel. Mr. Stringfellow will speak on "Redemptive Love." The public is invited to attend.

#### JOINT DUKE-UNC PHYSICS COLLOQUIUM

There will be a meeting of the Joint Duke-UNC Physics Colloquium on Wednesday, December 9th at

2:00 p.m. in Room 114 Physics Building. Dr. Peter Richards of the University of Kansas will speak on "Longitudinal Nuclear Spin Relaxation in Solid Helium 3." Dr. Richards earned his Ph.D. degree at Stanford University in 1961 investigating microwave properties of ferrites. While on a fellowship in Oxford, he became interested in relaxation processes in solids. He contributed to the low temperature effort on Helium 3 in Oxford and has predicted theoretically the different types of relaxation processes at very low temperatures.

#### PLANT ECOLOGY SEMINAR

Mr. Rodger Parrott, graduate student in Botany, will speak on "The Utilization of Natural Resources in African Agricultural Communities," on Wednesday, December 9th at 4:00 p.m. in Room 144 Biological Science Building.

#### GOTHIC BOOK SHOP AUCTION

The Gothic Bookshop will hold its annual Book and Art Auction on Wednesday, December 9th in Room 208 Flowers Building from 6:45 to 10:30 p.m. A choice selection of scarce and unusual books, fine prints and drawings and old maps will be knocked down to highest bidder. All the items to be auctioned will be on display from 9:00 a.m. on the day of the Auction in Room 208 Flowers Building.

#### "DUKE DEBATES WITH OXFORD"

The Duke Debate Team will hold a debate with students from Oxford University, England, and the Duke Law School on Wednesday, December 9th at 8:00 p.m. in the Music Room, East Duke Building. The topic will be: "Politics is Far Too Serious a Matter for Intellectuals." A reception will be held and the public is cordially invited to attend.

#### DUKE PLAYERS—MUSIC DEPARTMENT PRESENTS "THREEPENNY OPERA"

The Department of Music and Duke Players will present the internationally famed "Threepenny Opera" with music by Kurt Weill, text and lyrics by Bertolt Brecht, in an English adaptation by Marc Blitzstein. The performance will be December 9th, 10th, 11th and 12th at 8:15 p.m. in Branson Hall. Victor Michalak will be stage director; John Hanks will be musical director; and the Threepenny Opera "1920's Dance Band" orchestra will consist of members of the Duke Ambassadors directed by Frank Bennett. Admission will be \$1.25. Reservations may be made by calling the Branson Box Office, Extension 3181, on Monday and Tuesday between 2:00 and 5:00 p.m., and Wednesday through Saturday from 2:00 p.m. until performance time.

#### NEWCOMER'S CLUB MEETING

The Duke University Newcomer's Club will meet on Thursday, December 10th at 10:00 a.m. at the YWCA, 515 West Chapel Hill Street for a special

Christmas program, "Santa's Workshop." Included in the program will be a demonstration of preparing Christmas decorations. Mrs. Robert Kearney and Mrs. Chester Zmijewski are in charge of the program.

#### INTERNATIONAL LAW SOCIETY PRESENTS HAROLD E. STASSEN

The International Law Society will sponsor a lecture on Thursday, December 10th at 10:00 a.m. in the Law School Courtroom. Mr. Harold E. Stassen will speak on "The Problems of Arms Control and Disarmament in the Wake of Nuclear Test Ban Treaty." Harold E. Stassen is the former three-term Governor of Minnesota, Advisor to President Eisenhower with Cabinet rank for Arms Control and Disarmament, and President of the University of Pennsylvania. Mr. Stassen is a well known figure on the American political scene through his campaigns for the Republican President nomination in 1948 and 1960. Mr. Stassen is currently an attorney in Philadelphia.

At 1:30 p.m., there will be an open discussion with Mr. Stassen in the Main Floor Lounge of the Law School.

#### COLLEGE OF ENGINEERING GUEST SPEAKER PROGRAM

The College of Engineering will sponsor a lecture on Thursday, December 10th at 11:30 a.m. in the Auditorium of the Engineering Building. Mr. Harold L. Flowers will speak on "Systems Engineering Applied to Missile and Space Programs." Mr. Flowers is the Engineering Manager of the Space and Missiles Division at McDonnell Aircraft Corporation in St. Louis, Missouri. This Guest Speaker Program is Sponsored by the National Science Foundation and Duke University.

#### CHANGES

There will be no Undergraduate Faculty Council meeting in December.

The Student Union Sports Film on Skiing which was scheduled for Tuesday, December 8th, has been re-scheduled for a date in January.

#### ARTISTS SERIES AMERICAN BALLET THEATRE

The Duke University Artists Series will present the American Ballet Theatre as the second performance of the current series on Thursday, December 10th at 8:15 p.m. in Page Auditorium. Individual tickets priced at \$2.50 and \$2.00 are presently available in Room 202A Flowers Building, or by calling Extension 2911.

The American Ballet Theatre, America's oldest and most honored native ballet company, has become known as "America's Number 1 Cultural Export" because of its numerous tours not only in America but in over 37 countries on five continents where it performed to wide critical acclaim and packed audiences.

Under the co-direction of the distinguished artists, Lucia Chase and Oliver Smith, with Nora Kaye, As-



sistant Director, the Company has produced 103 ballets of which 32 were world premieres and another 29 were premiered in the company's experimental workshop. Many of these ballets have become American classics, among them: "Fall River Legend," "Fancy Free," "Rodeo," "Pillar of Fire," and "Billy the Kid." The orchestra will be directed by Walter Hagen, Conductor, and Jean-Pierre Marty, Assistant Conductor.

The evening's program will begin with **The Grand Pas** from "Raymonda," Act III with music by Alexander Glazounov; choreography by George Balanchine and restaged by Frederic Franklin; featuring Eleanor D'Antuona and Bruce Marks. The remainder of the program will include Act I and II from "Giselle" with Ruth Ann Koesun performing the role of the peasant girl, Giselle, and Royes Fernandez the role of Count Albrecht (disguised as Loys, a peasant). Bathilde, the betrothed of Count Albrecht will be danced by Barbara Remington, and Myrtha, Queen of Willis, by Sallie Wilson.

The Student Union will again provide a seminar prior to the performance at 7:00 p.m. in Room 208 Flowers Building to which the public is cordially invited. Of especial interest will be the announcement that Lucia Chase will be the speaker for the meeting. Miss Chase began her studies of ballet with Mikhail Mordkin, a former member of the Bolshoi Ballet, and the most famous partner of Pavlova. Under his direction in the Mordkin Company, Miss Chase performed the three most important ballerina roles of classical ballet in "Sleeping Beauty," "Giselle" and "La Fille Mal Gardee." She joined the American Ballet Theatre as a principal dancer at its inception in 1940 and created roles in ballets choreographed by Fokine, Antony Tudor, Agnes de Mille, Eugene Loring, etc. She became a director of the American Ballet Theatre in 1945.

#### **SCHEDULE FOR UNIVERSITY WEEKLY CALENDAR**

There will be one more edition of the University Weekly Calendar for December 13-19 before the Christmas recess. Deadline for notices to appear in the first edition of the new year, the week of January 3-9, is **Friday, December 18, 1964.**

#### **DIVINITY SCHOOL CHOIR**

A special Christmas program by the Divinity School Choir under the direction of Professor John Hanks and with Miss Helen M. Kendall as organist, will be given at York Chapel on **Friday, December 11th at 10:10 a.m.** The program will include well-known Christmas anthems, chorals, and hymns. The public is cordially invited.

#### **FOUNDER'S DAY SERVICE**

A memorial service commemorating the 40th Founder's Day anniversary will be held in the Memorial Chapel on **Friday, December 11th at 11:00 a.m.** The ministry of worship will be the President of the University, the Dean of the Chapel, the Chaplain to

the University and the Organist to the University. Members of the University Community are cordially invited.

#### **POLITICAL SCIENCE GRADUATE SEMINAR**

The Political Science Graduate Seminar will meet at 3:00 p.m. on **Friday, December 11th in Room 208 Flowers Building.** Mr. Joseph Zikmund will report on "Some Problems in Analyzing Voting Patterns in American Suburbs."

#### **PSYCHOLOGY COLLOQUIUM**

The Department of Psychology will hold its weekly colloquium on **Friday, December 11th in Room 130 of the Psychology-Sociology Building at 4:00 p.m.** Dr. Charles Seashore, Research Director of National Training Laboratories, Washington, D. C., will speak on "The Varieties of Sensitivity Training Applications."

#### **DUKE RADIO PROGRAM**

"Challenges in Education," Duke University-produced radio program, is scheduled **Saturdays at 9:55 a.m. on WDNC in Durham and at 11:30 a.m. on WPTF in Raleigh.** The program for **Saturday, December 12th,** will be Mrs. Eugenia Saville, Associate Professor of Music, who will talk about music and scholarship.

#### **DINING HALL ANNOUNCEMENT**

Because of the Founder's Day Dinner, the Blue and White Room—Great Hall will be closed for the night meal on **Thursday, December 10th.**

#### **ADVANCE NOTICE YWCA CHRISTMAS SUPPER**

The Durham YWCA, 515 West Chapel Hill Street, invites all international students to join with others in the community in a family Christmas supper in the Hill Room on **Sunday, December 13th at 5:30 p.m.** Those interested are requested to call 681-2041 for reservations. Families are invited to bring their favorite food for this covered dish supper. Students living in rooms or the dormitories are invited as guests of the YWCA.

#### **UNIVERSITY SPRING ACTIVITIES CALENDAR NOTICE**

Announcements for the printed University Spring Activities Calendar, compiled, published, and distributed by the Student Union's Special Services Committee at the beginning of each semester, must be in Room 202-A Flowers Building by **Friday, December 18th,** in order to be in the printer's hands for a February first release. Faculty and staff members scheduling events for the Spring Semester are urged to get their announcements in at once.

WEEK OF  
Dec. 13-19, 1964

WEEK OF  
Dec. 13-19, 1964

# CALENDAR OF DUKE UNIVERSITY



## Events of the Week

### Sunday, December 13

Denominational Meetings. See special notice.

- 9:30 a.m. Chapel Choir Rehearsal.  
10:30-10:45 a.m. Carillon Recital. Mr. John G. Simpson, Student Carillonneur.  
11:00 a.m. University Service of Worship. University Chapel. Preacher: Reverend Professor James T. Cleland, Dean of the Chapel. Sermon: "The Image of God." Broadcast over Radio Station WDNC and WDNC-FM.  
3:30 p.m. Graduate Wives' Children's Christmas Party. Westminster House.  
3:30 p.m. International Open House. 2101 Campus Drive.  
8:00 p.m. "Christmas in Word and Music." University Chapel.

### Monday, December 14

- 11:00 a.m. Fluid Mechanics Film. ARO-D (Building 56).  
2:30 p.m. Final examination of Mr. Leon Edward Winslow for the Ph.D. degree in Mathematics. Room 219 Physics Building.  
4:15 p.m. Botany and Zoology Seminar. Biological Sciences Auditorium. Speaker: Dr. Paul W. Richards.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.  
7:30 p.m. North Carolina Poetry Circuit: Alan Dugan. Music Room East Duke Building.  
8:00 p.m. Sigma Xi Lecture. Biological Sciences Building. Speaker: Dr. John F. McCauley.

- 8:15 p.m. Duke Forum Discussion. Room 208 Flowers Building.

### Tuesday, December 15

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor McMurry S. Richey.  
11:00 a.m. Fluid Mechanics Film. ARO-D (Building 56).  
3:30-5:00 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.  
4:00 p.m. Sociology-Anthropology Lecture. Room 139 Social Science Building. Speaker: Dr. Peter Carstens.  
4:00 p.m. Mathematics Colloquium. Room 114 Physics Building. Speaker: Mr. David P. Roselle.  
4:15-6:00 p.m. Duke Concert Band Rehearsal. Room 208 Asbury Building.  
5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.  
8:15 p.m. Graduate English Club Meeting. Green Room East Duke Building. Speaker: Professor Oliver Ferguson.  
8:15 p.m. Madrigal Singers Christmas Concert. Music Room East Duke Building.

### Wednesday, December 16

- 10:10 a.m. Divinity School Chapel. York Chapel. Professor McMurry S. Richey.  
4:00 p.m. Plant Ecology Seminar. Room 144 Biological Sciences Building. Speaker: Mr. Ted Rochow.

**IMPORTANT**—Notices for the Duke University Calendar (for January 3-9, 1965) should be submitted IN WRITTEN FORM to Room 202-A Flowers Building, West Campus, not later than 1:00 p.m., Friday, December 18, 1964. Extension 2911.



- 4:00 p.m. Applied Statistics Seminar. Room 113 Physics Building. Speaker: Dr. C. Alan Boneau.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:45-7:15 p.m. Madrigal Singers Rehearsal. Room 209 Bivins Building.
- 7:00-8:30 p.m. Chapel Choir Rehearsal. University Chapel.
- 7:00 and 9:00 p.m. Quadrangle Pictures. Page Auditorium. "An American in Paris" with Gene Kelly, Leslie Caron, and Oscar Levant. Story and screen play by Alan Jay Lerner with music by George Gershwin. In technicolor.
- 7:30 p.m. International Christmas Party. 2101 Campus Drive.
- 8:00 p.m. Graduate Wives Sewing Group. Episcopal Student Center.
- 8:15 p.m. Varsity Basketball. Duke versus Clemson. Clemson, South Carolina.
- 8:30 p.m. YWCA Christmas Vespers. East Duke Chapel.

## Thursday, December 17

- 10:10 a.m. Divinity School Chapel. York Chapel. Mr. Leif Sevre.
- 3:30 p.m. Final examination of Mr. David George Hale for the Ph.D. degree in English. Room 323 Allen Building.
- 4:00 p.m. Physiology and Pharmacology Seminar. Room M-204. Speaker: Dr. Thomas C. Butler.
- 4:00 p.m. Academic Council Meeting. Room 208 Flowers Building.
- 4:00 p.m. Art Lecture. Room 204 East Duke Building. Speaker: Professor Robert Clarence Enggass.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students.
- 5:00-6:30 p.m. Faculty Volleyball. Indoor Stadium.
- 7:30-9:45 p.m. Duke Symphony Orchestra Rehearsal. Room 208 Asbury Building.
- 8:15 p.m. West Campus Swimming Pool open to faculty members and their families. Faculty children will be admitted only when accompanied by their parents.

## Friday, December 18

- 10:10 a.m. Divinity School Chapel. York Chapel. Holy Communion.
- 2:00 p.m. Final examination of Mr. Derek John Cash for the Ph.D. degree in Chemistry. Room 303 Chemistry Building.
- 2:00 p.m. Final examination of Mr. Richard Michael Kelly for the Ph.D. degree in English. Room 328 Allen Building.
- 4:00 p.m. Chemistry Seminar. Room 01 Chemistry Building. Speaker: Dr. Claibourne E. Griffin.

- 4:00 p.m. Microbiology and Immunology Seminar. Hospital Amphitheatre. Speaker: Dr. David Baltimore.
- 5:00-6:00 p.m. East Campus Pool open for women: faculty, staff members, and students. Faculty daughters, ages 6-16, may also swim; those 12 and under must be accompanied by their mothers.

## Saturday, December 19

- 12:30 p.m. Christmas Recess Begins.
- 6:30 p.m. Annual Christmas Party: Duke Faculty Club. The Great Hall.
- 7:00 p.m. N.B. There will be no showing of Quadrangle Pictures during the Christmas recess (Saturday, December 19th through January 3rd). The showing will resume Wednesday, January 6, 1965.
- 8:15 p.m. Varsity Basketball. Duke versus Virginia. Charlottesville, Virginia.

### UNIVERSITY SERVICE OF WORSHIP

The Reverend Professor James T. Cleland, Dean of the Chapel, will deliver the sermon at the University Service of Worship on Sunday, December 13th, at 11:00 a.m. in the University Chapel. The order of worship follows:

The Reverend Dr. Howard C. Wilkinson, Chaplain to the University, Presiding Minister.

#### Opening Organ Voluntary—

Prelude and Fugue on "Vom Himmel Hoch" *Pachelbel*  
 Chorale Prelude on "Vom Himmel Hoch" *William Klenz*  
 Chorale Prelude on "Kommt du nun, Jesu" *J. S. Bach*  
 Choral Call to Worship—"Fanfare for Christmas Day" *Martin Shaw*

Hymn of Adoration—"O Come, All Ye Faithful" *18th Century Melody*

Prayers of Confession and for Pardon

Words of Assurance

The Lord's Prayer

Anthem—"Glory to God" *Bach*

Scripture Lesson—Exodus 20:1-6; Colossians 1:15-20

Hymn—"Hearken, All! What Holy Singing" *Old French Carol*

Call to Prayer

Prayer of Thanksgiving

Petitions for Others and Ourselves

The Offering

Offertory Organ Interlude

Anthem—"The Heavens are Telling" *Haydn*

Response—The Doxology

Prayer of Dedication

Sermon—"The Image of God"

Prayer

Benediction

Choral Response—"Sevenfold Amen" *Stainer*

The Chimes

Closing Organ Voluntary—Toccata on "Vom Himmel Hoch" *Garth Edmunson*

### DENOMINATIONAL ANNOUNCEMENTS

**BAPTIST CENTER** (Chaplain Robert P. Hyatt): **Sunday, 9:30 A.M.**, Rides leave for local churches. Coffee and donuts will be served prior to departure. **Friday, 6:00 P.M.**, Christmas Dinner and Party. All Baptist faculty and students are cordially invited to attend.

**EPISCOPAL CENTER** (Chaplain W. Robert Mill):

**Sunday, 9:15 A.M., Holy Communion. 6:00 P.M., Annual Christmas Dinner and carol sing.** All members of the University community are cordially invited. **Wednesday (Ember Day), 7:10 A.M., Holy Communion. Thursday, 5:30 P.M., Holy Communion. Friday (Ember Day), 7:10 A.M., Holy Communion. Saturday (Ember Day), 7:10 A.M., Holy Communion.**

On **Sunday, December 13,** the Service of Holy Communion at the Episcopal Center will be interspersed with comments on the service. This service is especially designed for those who wish to understand more fully the Service of Holy Communion. All members of the University community are cordially invited to attend.

**LUTHERAN STUDENT ASSOCIATION** (Chaplain William R. Patton): **Sunday, 7:00 P.M.,** East Duke Chapel, Lutheran Communion Service using Contemporary Liturgy, followed by refreshments and fellowship hour in the Green Room of East Duke Bldg. **Monday, 5:30 P.M.,** M. G. C., Supper meeting, followed by discussion of **The Children of Light and the Children of Darkness** by Reinhold Niebuhr.

**METHODIST CENTER** (Chaplain Jackson W. Carroll; Assistant Chaplain Cranford Johnson): **Sunday, 9:00 A.M.,** Seminars: "The Congregation in Mission," and "Faith and Culture: A Dialogue." **5:00 P.M.,** Christmas Dinner; the University community is cordially invited.

A photography exhibit, courtesy of the **Charlotte Observer,** is on display in the lobby of the Methodist Center through the end of December. Outstanding examples of the photographic art are included in the exhibit.

**PRESBYTERIAN CENTER** (Chaplain Charles E. Johnson): **Sunday, 5:30 P.M.,** Service of Holy Communion; **6:00 P.M.,** Christmas Holiday Dinner (everyone welcome). Afterwards, Christmas caroling followed by chocolate and cakes at the Chaplain's home.

**UNITED CAMPUS CHRISTIAN FELLOWSHIP** (Chaplain John J. Carey): **Sunday, 5:30 P.M.,** at the home of Dr. and Mrs. Henry Fairbank, 1515 Pinecrest Road. After supper and a Christmas party, the group will go caroling at various places in the city. Transportation will leave the Chapel steps and East Campus circle at 5:15 P.M. **Wednesday, 6:00 P.M.,** Dinner at Gilbert-Addoms.

#### **Holiday Services**

There will be a celebration of Holy Communion at 9:15 A.M. at the Episcopal Center on each of the Sundays during vacation. There will also be services on Christmas Eve at 11:00 P.M., and on Christmas Day at 9:30 A.M. All members of the University Community are cordially invited to participate.

#### **GRADUATE WIVES' MEETING**

The Annual Children's Christmas Party will be held Sunday, December 13th at 3:30 p.m. in the Westminster House, Presbyterian Student Center on Alexander Avenue. Any child of a member of the Graduate Wives' Club is welcome to bring his mother

to see Santa Claus, our honored guest. Each mother should bring a gift for her own child. Refreshments will be served.

The Sewing Group of the Graduate Wives' Club will meet Wednesday, December 16th at 8:00 p.m. in the Episcopal Student Center on Alexander Avenue. Hostesses for the meeting will be Mrs. John Farrell, Mrs. Glenn Liming, and Mrs. Brian Kirby.

#### **"CHRISTMAS IN WORD AND MUSIC"**

"Christmas in Word and Music" will be presented in the University Chapel, Sunday, December 13th at 8:00 p.m. Composed and presented for the first time four years ago, it has been repeated each year since, by popular request. Consisting of selections from the finest Christmas music, the most representative Scriptural recitals of Christmas, and beloved carols, the service of worship gives the prophecy of the coming of Jesus Christ, and the fulfillment of that prophecy. Choral music will be presented by the Men's Chorus and the Women's Chorus of Duke University. A variety of instrumental music will be included. The Presiding Minister will be the Reverend Dr. Howard C. Wilkinson, Chaplain to the University. The Reader will be the Reverend Dr. James T. Cleland, Dean of the Chapel and James B. Duke Professor of Preaching. Musical and choral portions of the service will be under the supervision of Mrs. Mildred L. Hendrix, University Organist, and Mr. James Young, Director of the Men's and Women's Choruses.

#### **FLUID MECHANICS FILM**

The Durham Army Research Office will sponsor the film "The Fluid Mechanics of Drag," prepared by Ascher H. Shapiro, M.I.T., on Monday, December 14th, and Tuesday, December 15th. Due to the length of the film, it will be shown in two one-hour sections. Parts one and two, "Some Curious Experiments" and "Fundamental Concepts" will be shown at 11:00 a.m. on Monday. Parts three and four, "The Laws of Drag in Fluids of High and Low Viscosity" and "How to Reduce Drag" will be shown at 11:00 a.m. on Tuesday. The films will be shown in the Main Auditorium of the Army Research Building on the West Campus. All interested persons are invited to attend.

#### **FINAL EXAMINATION FOR THE PH.D. DEGREE**

The final examination of Mr. Leon Edward Winslow for the Ph.D. degree in Mathematics will be held on Monday, December 14th at 2:30 p.m. in Room 219 Physics Building. The subject of Mr. Winslow's dissertation is "Jordan Structures for Bonded Linear Transformations in Hilbert Space." The committee to conduct the examination consists of Professors F. J. Murray, Leonard Carlitz, J. H. Roberts, F. G. Dressel and D. S. Onley. Professor Murray will preside.

#### **BOTANY AND ZOOLOGY SEMINAR**

The Botany and Zoology Departments will hold their weekly seminar on Monday, December 14th in the auditorium of the Biological Sciences Building at



4:15 p.m. Dr. Paul W. Richards, Professor, Department of Botany at University College of North Wales, Bangor, Caerulavonshire, United Kingdom, will speak on "Species-rich and Species-poor Tropical Forests."

Professor Richards is presently on leave from University College and pursuing research at Harvard Forest. His ecological work has been on both British and tropical ecology and his book **The Tropical Rain Forest** is presently being reprinted a second time. Prior to this year in the U.S. he was President of the British Ecological Society and joint editor of the *Journal of Ecology*. This spring he will be associated with the Organization for Tropical Studies with lectures, seminars, and field work in Costa Rica.

Refreshments will be served in the foyer at 4:00 p.m.

### NORTH CAROLINA POETRY CIRCUIT

The poet, Mr. Alan Dugan, will read selections from his poetry on Monday, December 14th at 7:30 p.m. in the Music Room of East Duke Building. Sponsored jointly by the Department of English and the Student Union, Mr. Dugan comes to Duke under the auspices of the North Carolina Poetry Circuit, now in its fourth year. He is the author of two books of verse, *Poems*, which in 1962 received the National Book Award, the Prix de Rome, and the Pulitzer Prize for Poetry, and *Poems 2*, which critics have described as marking an advance in technique even over his previous volume. Mr. Dugan is a New Yorker who has travelled widely in Italy, Turkey, and Greece. His reading will be open to the public without charge.

### SIGMA XI LECTURE

There will be a Sigma Xi Lecture on Monday, December 14th at 8:00 p.m. in the Biological Sciences Building. Dr. John F. McCauley will speak on "Lunar Structure and Stratigraphy." Dr. McCauley is Geologist and Assistant Branch Chief for Unmanned Lunar Exploration, U.S. Geological Survey, Flagstaff, Arizona. The public is cordially invited.

### DUKE FORUM DISCUSSION

The Duke Forum will hold its first house debate Monday, December 14th at 8:15 p.m. in Room 208 Flowers Building. The topic of discussion will be "Which Way in Viet Nam—Go North or Get Out?" David Goldman (Medical School) will give a brief history of U.S. involvement in Southeast Asia. Heather Low (Woman's College) will urge a U.S. policy involving striking back into North Viet Nam and Douglas Wheeler (Law School) will advocate U.S. withdrawal from South Viet Nam. Discussion and questions from the floor are encouraged as well as faculty and graduate student participation. A brief business meeting for Forum members will also be held at this time.

### SOCIOLOGY-ANTHROPOLOGY LECTURE

The Department of Sociology and Anthropology will sponsor a public lecture by Dr. W. Peter Carstens on "The Hottentots and the Dutch in South Africa" at 4:00 p.m., Tuesday, December 15th in Room 139

Social Science Building. Dr. Carstens, Visiting Associate Professor of Anthropology at the University of North Carolina in Chapel Hill, earned his Ph.D. degree at the University of Cape Town and carried out extensive field work on the social structure of Coloured Villages and Reserves in Namaqualand and South West Africa. He will talk about the way in which two groups of pastoralists, the Hottentots and the Dutch, integrated to form the Basters of South and South West Africa and will discuss aspects of their contemporary social organization.

### MATHEMATICS COLLOQUIUM

The speaker at the weekly Mathematics Colloquium will be Mr. David P. Roselle of the Department of Mathematics. The meeting will be at 4:00 p.m. Tuesday, December 15th in Room 114 Physics Building. Mr. Roselle's topic will be "Congruence Properties for Certain K-Line Partitions." Coffee and tea will be served in Room 120 at 3:30 p.m.

### GRADUATE ENGLISH CLUB MEETING

On Tuesday, December 15th at 8:15 p.m. in the Green Room of East Duke Building, the Graduate English Club will present its second speaker, Oliver Ferguson, Associate Professor of English. Professor Ferguson's talk will be entitled, "'Nature and Friendship': The Personal Letters of Jonathan Swift" which will be a study of Swift's personal correspondence, showing that he regarded these letters as a valid literary activity.

Professor Ferguson's particular interest is in Eighteenth-century English literature. In 1962 his book, *Jonathan Swift and Ireland*, was published by the University of Illinois Press. Last year he was in England on a Guggenheim Fellowship, doing research on Oliver Goldsmith.

### PLANT ECOLOGY SEMINAR

Mr. Ted Rochow, graduate student in Botany, will speak on "The Annual Carbohydrate Cycle as Related to Alpine Plant Growth," on Wednesday, December 16th in Room 144 Biological Sciences Building at 4:00 p.m.

### APPLIED STATISTICS SEMINAR

There will be an Applied Statistics Seminar on Wednesday, December 16th at 4:00 p.m. in Room 113 Physics Building. Dr. C. Alan Boneau of the Department of Psychology will speak on "The Pigeon as a Statistician." Coffee will be served in Room 120 Physics Building at 3:30 p.m.

### FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. David George Hale for the Ph.D. degree in English will be held on Thursday, December 17th at 3:30 p.m. in Room 323 Allen Building. The subject of Mr. Hale's dissertation is "The Body Politic: A Political Metaphor in Renaissance English Literature." The committee to conduct the examination consists of Professors John L. Lievsay, S. K. Heninger, Jr., Holger Olof Nygard and Arthur Ferguson. Professor Lievsay will preside.

## INTERNATIONAL CHRISTMAS PARTY

The first Christmas Party to be held at the new International House is scheduled for Wednesday, December 16th at 7:30 p.m. The Durham Reviewer's Club has made it possible for there to be no charge involved. The party is not limited to International Students, and anyone in the University Community is invited to attend.

## MADRIGAL SINGERS CHRISTMAS CONCERT

The annual Christmas concert of the Duke Madrigal Singers will be held on Tuesday, December 15th at 8:15 p.m. in the Music Room of East Duke Building. Assisted by instrumentalists the fifteen voice mixed chorus will present a program of Renaissance polyphony and the "Christmas Oratorio" of Henrich Schütz. The program will be conducted by Eugenia Saville, Director, and Anne Heider, Guest Conductor. The public is cordially invited. The program follows:

Kyrie	Josquin Després
Gloria	(ca. 1440-1521)
from Missa de Beata Virgine	
Beata Viscera	William Byrd
Motet for five voices	(1543-1623)
Angelus ad pastores	Hans Leo Hassler
Motet for four voices	(1564-1612)
Polly Bower, Jerry Johnson, Michael Menne, Carol Papps	
Alleluia psallat	Anonymous, early xvth century
	from the Worcester Fragments
Beata progenies	Leonel Power, xvth century
	from the Old Hall Manuscript
Nowell syng we both al and som	Anonymous, xvth century
Men's Chorus	
Gloria in excelsis	Thomas Weelkes
Anthem for six voices	(ca. 1575-1623)
Historia von der Geburt Jesu Christi	Heinrich Schütz
	(1585-1672)
Soloists: John Dickey, tenor; Jean Mayo, soprano;	
Nancy Temple, soprano; Wayne Woodward, bass	

Assisted by instrumentalists:

Jean Beck, Kay Franklin, violins  
Diese Geisinger, William Prizer, trumpets  
Anne Heider, James Rivera, recorders  
Sue Roy, bassoon  
Don Young, 'cello  
Frank Jordan, harpsichord

The Madrigal Singers are: Polly Bower, Joanna duBarry, Anne Heider, Mardi Jacobsen, Jean Mayo, Carol Papps, Nancy Temple, Frank Bennett, Rick Burts, John Dickey, Frank Glass, Jerry Johnson, Michael Menne, John Swetnam, and Wayne Woodward.

## YWCA CHRISTMAS VESPERS

The annual YWCA Christmas Vesper Service will be held Wednesday, December 16th at 8:30 p.m. in the East Duke Chapel. The service will include the participation of the Chancel Singers, led by Professor Paul Young. The University Community is cordially invited to attend.

## PHYSIOLOGY AND PHARMACOLOGY SEMINAR

The Department of Physiology and Pharmacology will hold a seminar on Thursday, December 17th at 4:00 p.m. in Room M-204 (Davison). The speaker will be Dr. Thomas C. Butler, Professor of Pharma-

cology at the University of North Carolina. He will speak on "Intracellular pH."

## ACADEMIC COUNCIL MEETING

The regular monthly meeting of the Academic Council for December is scheduled for 4:00 p.m. Thursday, December 17th in Room 208 Flowers Building. The principal item on the agenda is a talk by President Knight on the Duke University Development Program.

## DEPARTMENT OF ART LECTURE

The Department of Art announces a public lecture by Professor Robert Clarence Enggass of Pennsylvania State University to be held on Thursday, December 17th at 4:00 p.m. in Room 204 East Duke Building. Professor Enggass' subject will be "Baroque Ceiling Painting as a Mirror of Papal Rome."

Dr. Robert Enggass, a graduate of Harvard College and holder of M.A. and Ph.D. degrees from the University of Michigan, has taught at Pennsylvania State University since 1958. An authority on Renaissance and Baroque art, Dr. Enggass has published two books and numerous articles in the past decade on Italian art, especially the painting of Baciccio. His talk will concern the significance of ceiling paintings produced in Rome under Papal patronage.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Derek John Cash for the Ph.D. degree in Chemistry will be held on Friday, December 18th at 2:00 p.m. in Room 303 Chemistry Building. The subject of Mr. Cash's dissertation is "1, 2, 9-Trihydrodicyclopentadienyl Cations." The committee to conduct the examination consists of Professors Pelham Wilder, Jr., C. K. Bradsher, C. R. Hauser, J. C. Poirier and K. S. McCarty. Professor Wilder will preside.

## FINAL EXAMINATION FOR THE PH.D. DEGREE

The final examination of Mr. Richard Michael Kelly for the Ph.D. degree in English will be held on Friday, December 18th at 2:00 p.m. in Room 328 Allen Building. The subject of Mr. Kelly's dissertation is "Douglas Jerrold: Author and Journalist." The committee to conduct the examination consists of Professors Lionel Stevenson, Benjamin Boyce, C. Richard Sanders and Bernard Peach. Professor Stevenson will preside.

## DUKE FACULTY CLUB ANNUAL CHRISTMAS PARTY

The Annual Christmas Party of the Duke Faculty Club will take place on Saturday, December 19th at 6:30 p.m. The faculty will assemble and check wraps in the Gothic Dining Hall (entrance nearest bus stop). Dinner will be served promptly at 7:00 p.m. in The Great Hall (formerly referred to as Dining Halls B & C) Union Building. The banquet will follow the traditional Elizabethan theme with the Boar's Head Procession and special music.

Members who have paid their dues (\$4.50), or who do so by December 16th are entitled to one ticket



without further charge, and to one guest ticket for \$3.00. All tickets for members and guests may be obtained in person or by mail from the office of Mr. Floyd Sawyer, Room 304 Allen Building, prior to 5:00 p.m. Wednesday, December 16th. Membership rolls will be open during the time of the ticket sales.

#### CHEMISTRY SEMINAR

Dr. Claibourne E. Griffin, Associate Professor of Chemistry at the University of Pittsburgh, will speak at a Chemistry Department seminar at 4:00 p.m. Friday, December 18th in Room 01 Chemistry Building. Dr. Griffin's topic will be "Photochemical Arylation, Cleavage and Rearrangement of Phosphines and Phosphites."

Refreshments will be served in the lobby of the Chemistry Building at 3:30.

#### MICROBIOLOGY AND IMMUNOLOGY SEMINAR

The Department of Microbiology and Immunology will hold a seminar on Friday, December 18th at 4:00 p.m. in the Hospital Amphitheatre. Dr. David Baltimore of the Albert Einstein College of Medicine, Bronx, New York, will speak on "Biochemistry of Poliovirus Replication II."

#### UNIVERSITY SPRING ACTIVITIES CALENDAR NOTICE

Announcements for the printed University Spring Activities Calendar, compiled, published, and distributed by the Student Union's Special Services Committee at the beginning of each semester, must be in Room 202-A Flowers Building by Friday, December 18th, in order to be in the printer's hands for a February first release. Faculty and staff members scheduling events for the Spring Semester are urged to get their announcements in at once.

#### LANGUAGE QUALIFICATION TESTS FOR GRADUATE STUDENTS

The Graduate School Foreign Language Examination will be administered on the Duke Campus on Saturday, January 23rd. Application forms for the test may be obtained at the University Counseling Center, Room 309 Flowers Building. The deadline for making application for the January test is December 18th.

#### FRENCH AND SPANISH EXAMINATIONS

The French and Spanish Examinations for candidates for graduate degrees will be given on Friday, January 8th in Room 113 Physics Building at 4:00 p.m. Candidates register in the Graduate School Office for these examinations not later than December 18th.

#### FOREIGN LANGUAGE FELLOWSHIP PROGRAM

The U. S. Office of Education announces a program of awards to about 400 undergraduate college students for intensive study of 21 critical modern foreign languages during the summer of 1965. The

program will receive financial support from the National Defense Modern Foreign Language Fellowship Program under Title VI of the National Defense Education Act.

Students receiving awards will study certain languages of the Far East, Africa, Middle East, South Asia, Southeast Asia, Latin America, USSR, and East Europe. The programs will be conducted with matching support for instruction from the U. S. Office of Education at 16 U. S. universities.

A complete listing of the institutions, the languages in which awards will be offered, program directors and tentative quotas of awards may be obtained in Room 309 West Library Building.

#### DIVINITY SCHOOL ART EXHIBIT

An exhibit of Advent Art, sponsored by the Divinity School Fine Arts Committee, is being held in the Divinity School, Tuesday, December 15th through Friday, December 18th from 9:00 a.m. until 5:00 p.m. The exhibit is composed of paintings, sculpture, and art objects from the Raleigh-Durham-Chapel Hill area, which have been loaned by their owners for the display. All members of the University Community are cordially invited to attend during the designated hours.

#### 1965 DUKE GROUP FARE FLIGHT TO EUROPE

There will again be an opportunity for members of the Duke University Community to avail themselves of "affinity" group discount fare to Europe for the summer of 1965. The flight, round trip, New York-London, will depart New York, BOAC #500, on Thursday, June 10, 1965 and return from London, BOAC #503, on Tuesday September 7, 1965. The round trip fare is \$325.00.

Application blanks and full information may be secured at the Flowers Building Information Desk or the Student Activities Office, 202A Flowers Building after December 17, 1964.

Library Schedules for the Christmas Recess, December 19, 1964 through January 3, 1965.

#### GENERAL LIBRARY

Saturday December 19	8:00 a.m.-1:00 p.m.
Sunday December 20	CLOSED
Monday December 21	
Wednesday December 23	8:00 a.m.-5:00 p.m.
Thursday December 24	8:00 a.m.-1:00 p.m.
Friday December 25-Sunday December 27	CLOSED
Monday December 28-Thursday December 31	8:00 a.m.-5:00 p.m.
Friday January 1	CLOSED
Saturday January 2	8:00 a.m.-1:00 p.m.
Sunday January 3	CLOSED
Monday January 4	Resume regular schedule

#### WOMAN'S COLLEGE LIBRARY

Saturday December 19	8:00 a.m.-1:00 p.m.
Sunday December 20	CLOSED
Monday December 21	
Wednesday December 23	9:00 a.m.-5:00 p.m.
Thursday December 24	9:00 a.m.-1:00 p.m.
Friday December 25-Sunday December 27	CLOSED
Monday December 28-Thursday December 31	9:00 a.m.-5:00 p.m.
Friday January 1	CLOSED
Saturday January 2	9:00 a.m.-1:00 p.m.
Sunday January 3	CLOSED
Monday January 4	Resume regular schedule

Schedules for other campus libraries will be posted in those libraries.

ARLINGTON, VIRGINIA



